

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091418\
 Data File : VX004537.D
 Acq On : 14 Sep 2018 14:00
 Operator : JC/MD
 Sample : VX0914MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Quant Time: Sep 15 05:28:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	278794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354587	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180458	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	5.50	113	156765	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.72	98	526644	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.14	95	191929	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52688	20.16	ug/l	100
3) Chloromethane	1.32	50	66545	18.51	ug/l	100
4) Vinyl Chloride	1.40	62	72100	19.54	ug/l	100
5) Bromomethane	1.64	94	29494	18.34	ug/l	96
6) Chloroethane	1.72	64	43940	18.41	ug/l	91
7) Trichlorofluoromethane	1.93	101	93813	19.17	ug/l	92
8) Diethyl Ether	2.19	74	44158	20.13	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59900	19.30	ug/l	100
10) Methyl Iodide	2.51	142	45747	15.54	ug/l	95
11) Tert butyl alcohol	3.07	59	81404	94.90	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57794	19.84	ug/l	87
13) Acrolein	2.29	56	43198	127.58	ug/l	99
14) Allyl chloride	2.73	41	112304	18.75	ug/l	98
15) Acrylonitrile	3.15	53	192410	93.15	ug/l	98
16) Acetone	2.45	43	157698	89.88	ug/l	98
17) Carbon Disulfide	2.57	76	155806	18.50	ug/l	98
18) Methyl Acetate	2.78	43	95292	19.36	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	201701	19.73	ug/l	99
20) Methylene Chloride	2.85	84	68578	19.05	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	62058	19.28	ug/l	98
22) Diisopropyl ether	3.87	45	213167	19.76	ug/l	95
23) Vinyl Acetate	3.82	43	860006	98.52	ug/l	99
24) 1,1-Dichloroethane	3.69	63	118300	19.43	ug/l	98
25) 2-Butanone	4.70	43	248727	89.07	ug/l	92
26) 2,2-Dichloropropane	4.58	77	86495	20.68	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	72080	20.06	ug/l	99
28) Bromochloromethane	5.02	49	59117	21.22	ug/l	98
29) Tetrahydrofuran	5.15	42	162518	96.51	ug/l	98
30) Chloroform	5.21	83	114789	19.31	ug/l	99
31) Cyclohexane	5.57	56	103335	19.87	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	95960	20.04	ug/l	98
36) 1,1-Dichloropropene	5.80	75	85992	19.98	ug/l	98
37) Ethyl Acetate	4.86	43	92352	18.86	ug/l	99
38) Carbon Tetrachloride	5.78	117	81280	19.33	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86979	19.36	ug/l	97
40) Benzene	6.14	78	268087	20.99	ug/l	97
41) Methacrylonitrile	5.06	41	52590	19.49	ug/l	99
42) 1,2-Dichloroethane	6.20	62	84367	19.92	ug/l	100
43) Isopropyl Acetate	6.46	43	131143	20.17	ug/l	99
44) Trichloroethene	7.21	130	65656	19.79	ug/l	91
45) 1,2-Dichloropropane	7.52	63	60683	19.74	ug/l	100
46) Dibromomethane	7.66	93	37574	19.35	ug/l	98
47) Bromodichloromethane	7.90	83	69783	19.00	ug/l	97
48) Methyl methacrylate	7.78	41	62387	19.38	ug/l	99
49) 1,4-Dioxane	7.76	88	30557	401.16	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	414321	90.28	ug/l	98
52) Toluene	8.79	92	149407	19.85	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	89986	20.98	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	88102	20.15	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	68420	21.12	ug/l	99
56) Ethyl methacrylate	9.18	69	93627	20.43	ug/l	98
57) 1,3-Dichloropropane	9.37	76	111029	21.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	230354	103.04	ug/l	95
59) 2-Hexanone	9.50	43	352355	100.10	ug/l	97
60) Dibromochloromethane	9.59	129	61706	20.23	ug/l	96
61) 1,2-Dibromoethane	9.68	107	60669	19.60	ug/l	100
64) Tetrachloroethene	9.34	164	80575	19.42	ug/l #	89
65) Chlorobenzene	10.14	112	162617	19.70	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	55445	19.48	ug/l	99
67) Ethyl Benzene	10.26	91	276431	20.60	ug/l	98
68) m/p-Xylenes	10.36	106	220310	42.62	ug/l	96
69) o-Xylene	10.70	106	101963	20.52	ug/l	100
70) Styrene	10.71	104	170151	20.67	ug/l	99
71) Bromoform	10.86	173	43153	18.47	ug/l #	99
73) Isopropylbenzene	11.02	105	276524	21.06	ug/l	100
74) N-amyl acetate	10.90	43	107891	19.52	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	82936	19.58	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	78231m	19.50	ug/l	
77) Bromobenzene	11.26	156	73343	20.21	ug/l	98
78) n-propylbenzene	11.36	91	317298	21.02	ug/l	100
79) 2-Chlorotoluene	11.42	91	187222	20.45	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	234248	21.22	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	22560	17.93	ug/l	99
82) 4-Chlorotoluene	11.51	91	218857	20.48	ug/l	99
83) tert-Butylbenzene	11.77	119	219926	20.93	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	250237	22.21	ug/l	99
85) sec-Butylbenzene	11.94	105	279809	20.90	ug/l	99
86) p-Isopropyltoluene	12.07	119	250758	21.21	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	135889	20.07	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	137805	19.70	ug/l	98
89) n-Butylbenzene	12.39	91	214715	19.93	ug/l	98
90) Hexachloroethane	12.60	117	35288	18.64	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	136594	19.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17533	19.39	ug/l	99

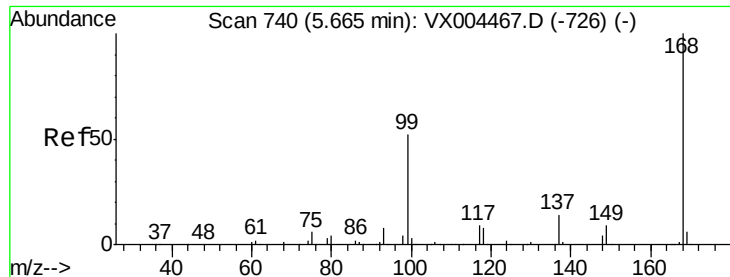
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	98217	20.24	ug/l	99
94) Hexachlorobutadiene	13.79	225	48761	19.24	ug/l	97
95) Naphthalene	13.83	128	284705	20.92	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	102127	20.49	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

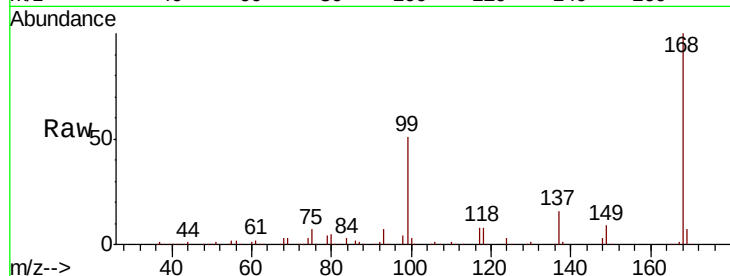
VX0914MBS01

Tot Ion:168 Resp: 278794

Ion Ratio Lower Upper

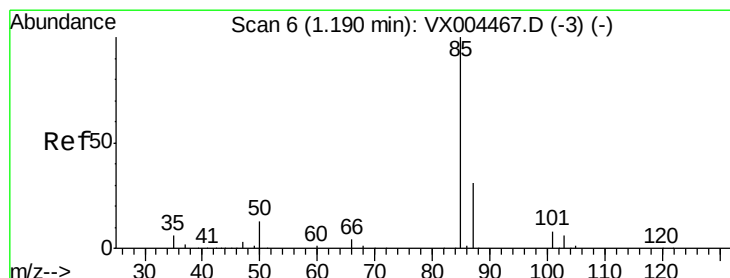
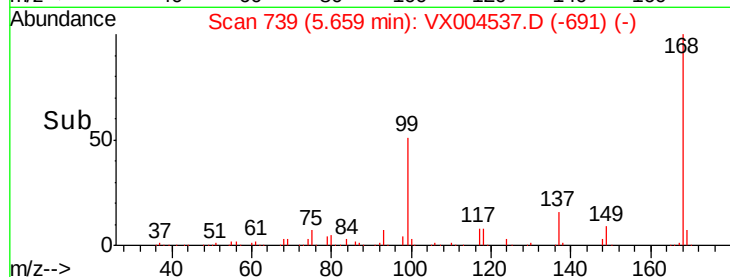
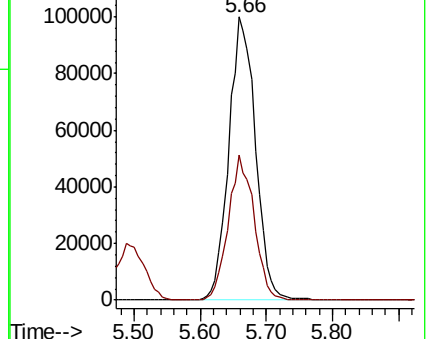
168 100

99 51.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.16 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004537.D

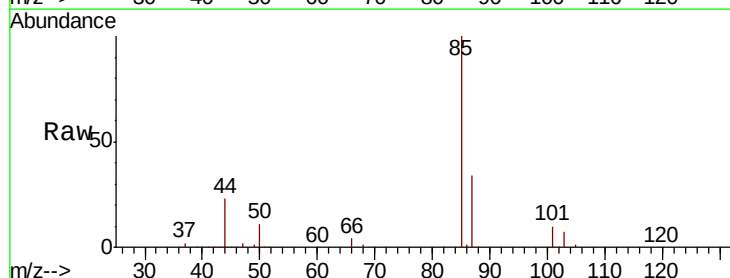
Acq: 14 Sep 2018 14:00

Tgt Ion: 85 Resp: 52688

Ion Ratio Lower Upper

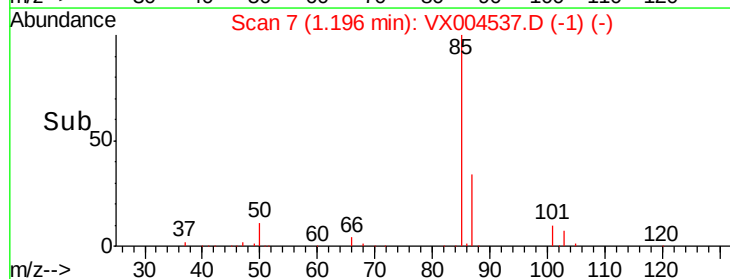
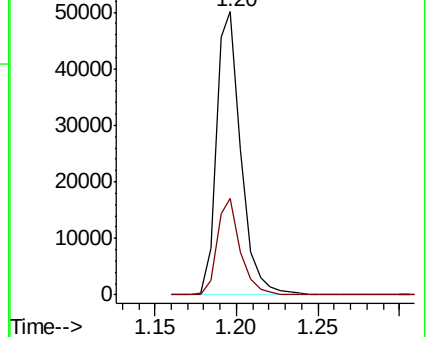
85 100

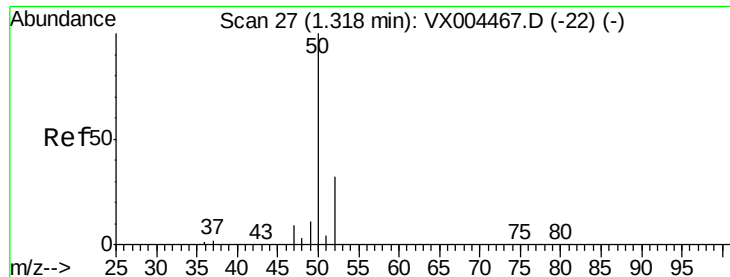
87 34.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.51 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

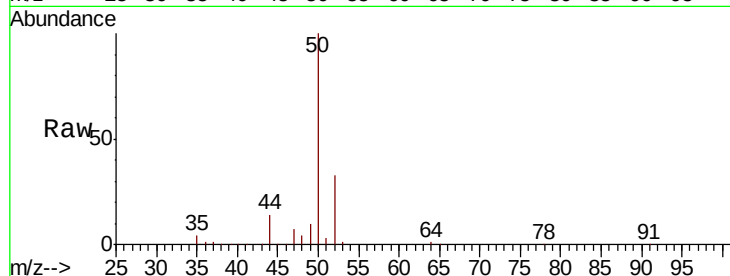
VX0914MBS01

Tot Ion: 50 Resp: 66545

Ion Ratio Lower Upper

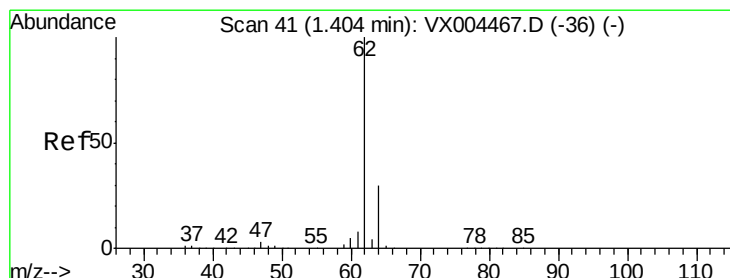
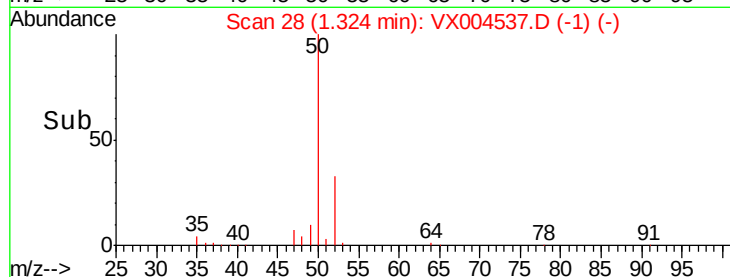
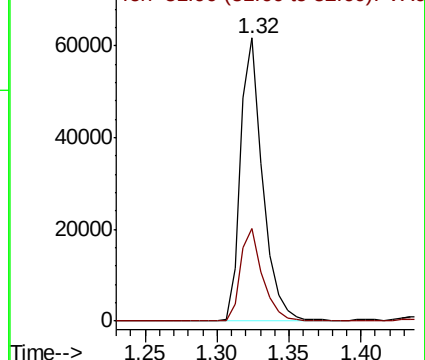
50 100

52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.54 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004537.D

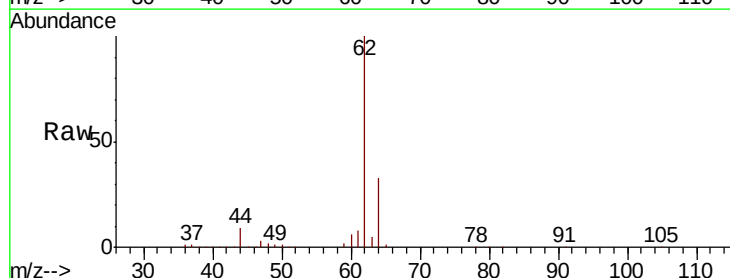
Acq: 14 Sep 2018 14:00

Tgt Ion: 62 Resp: 72100

Ion Ratio Lower Upper

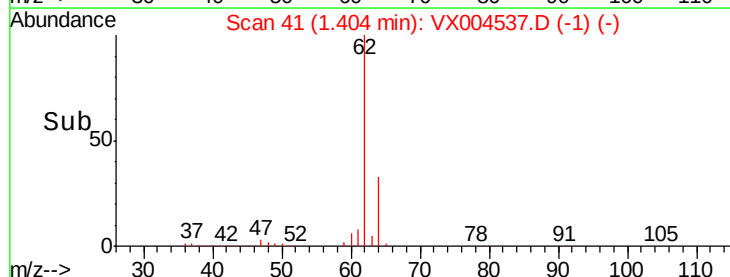
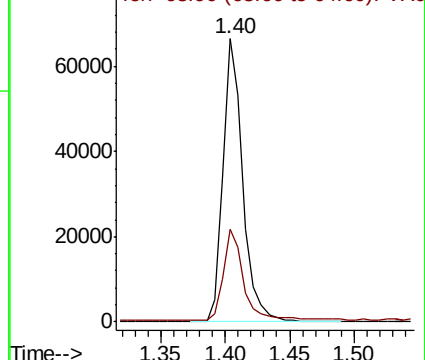
62 100

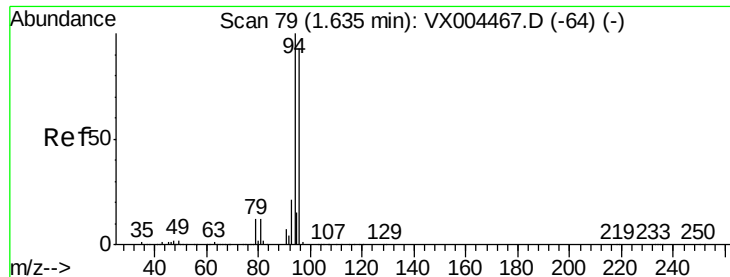
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.34 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

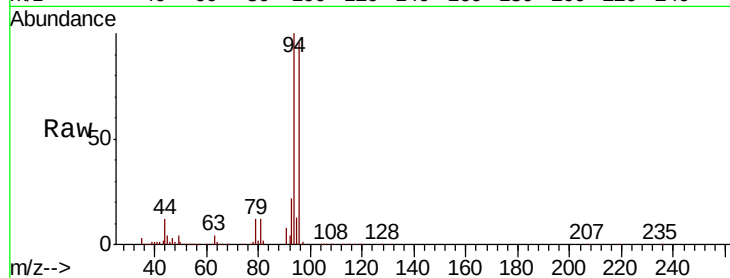
VX0914MBS01

Tot Ion: 94 Resp: 29494

Ion Ratio Lower Upper

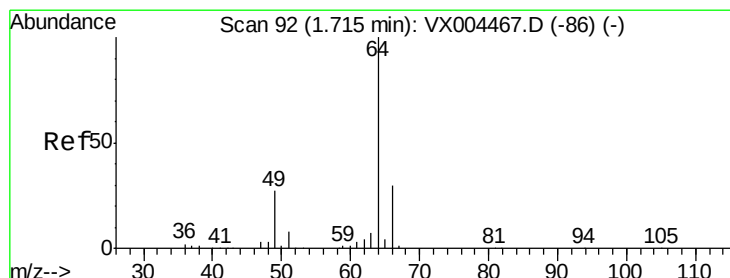
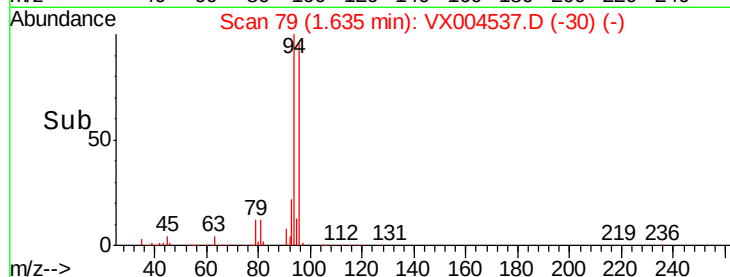
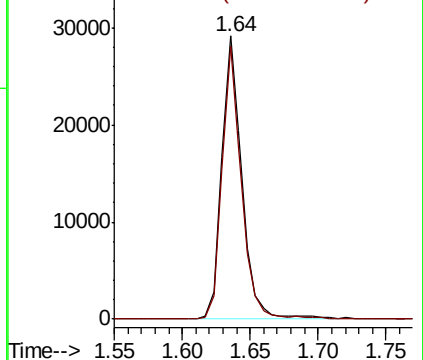
94 100

96 96.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.41 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004537.D

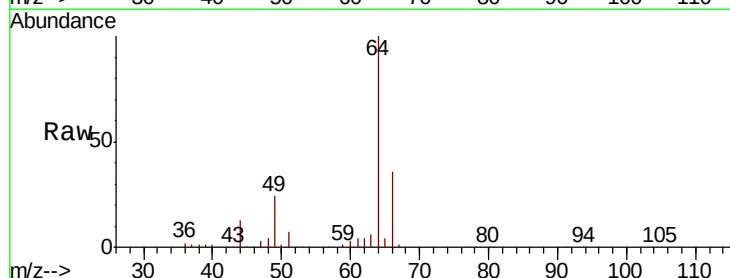
Acq: 14 Sep 2018 14:00

Tgt Ion: 64 Resp: 43940

Ion Ratio Lower Upper

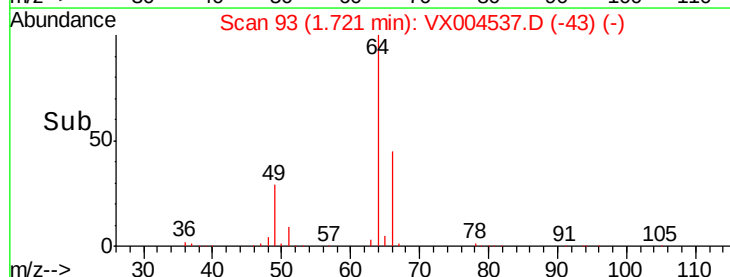
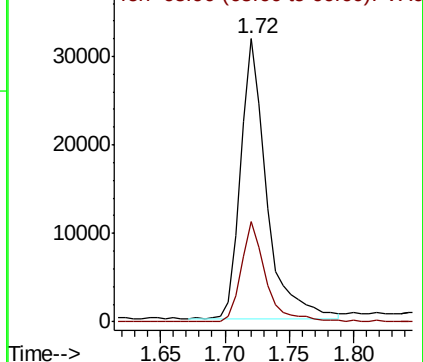
64 100

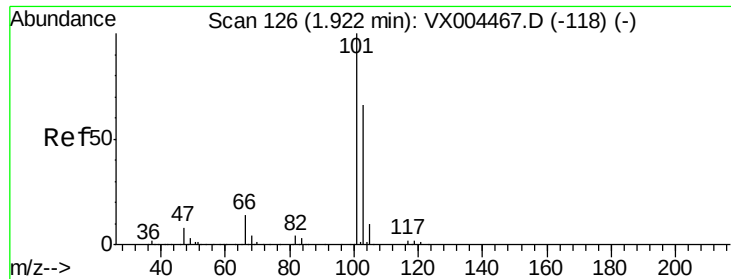
66 35.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 19.17 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

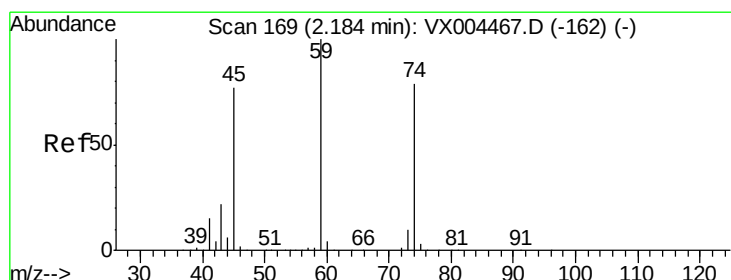
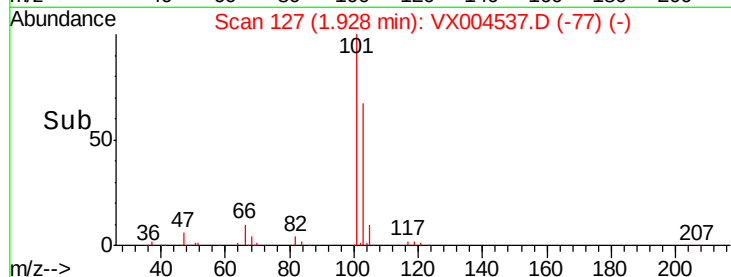
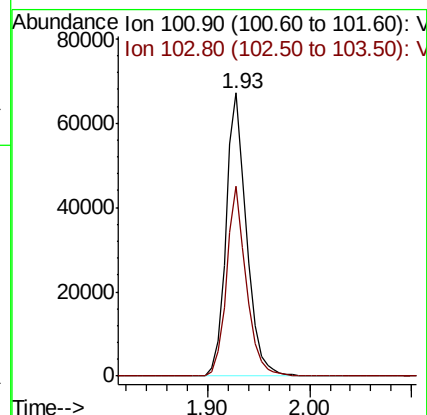
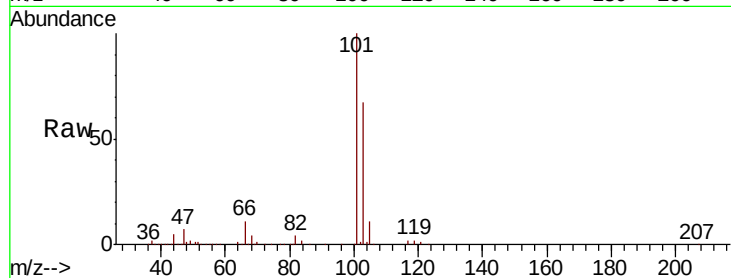
VX0914MBS01

Tot Ion:101 Resp: 93813

Ion Ratio Lower Upper

101 100

103 67.3 48.9 73.3



#8

Diethyl Ether

Concen: 20.13 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX004537.D

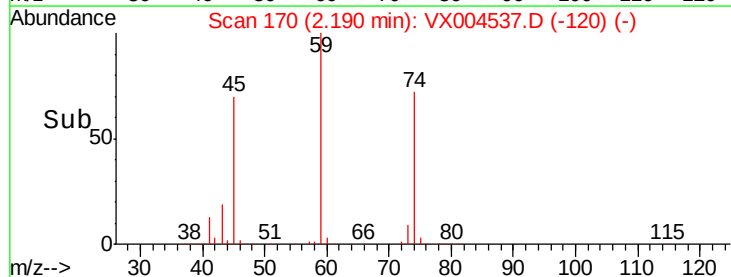
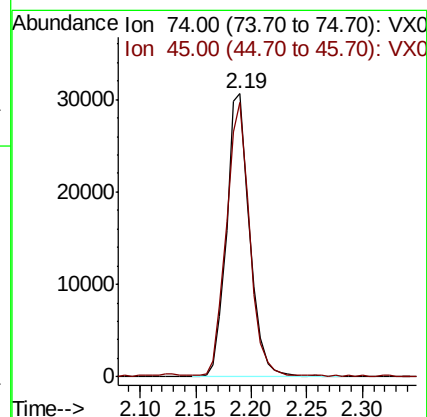
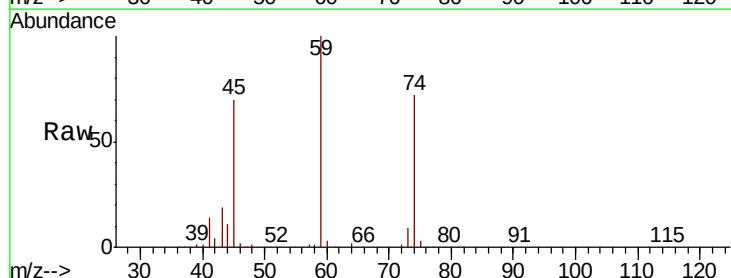
Acq: 14 Sep 2018 14:00

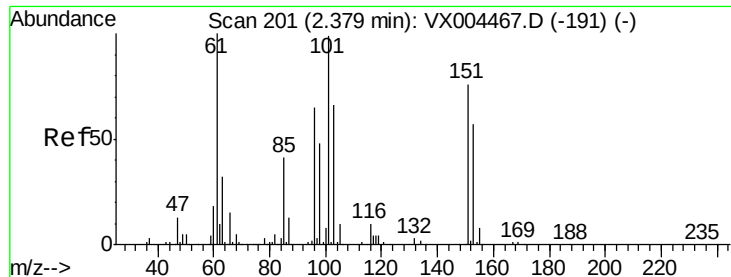
Tgt Ion: 74 Resp: 44158

Ion Ratio Lower Upper

74 100

45 96.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.30 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

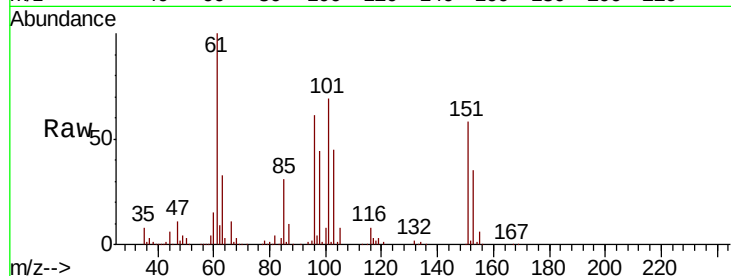
Tot Ion:101 Resp: 59900

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.4

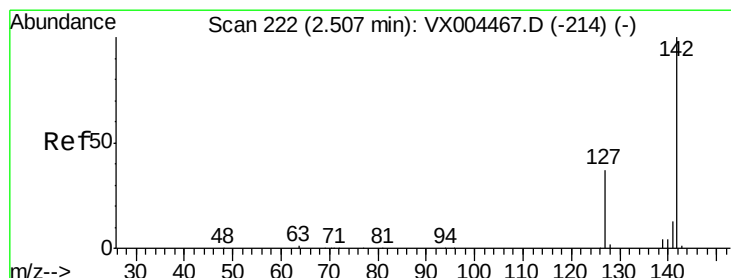
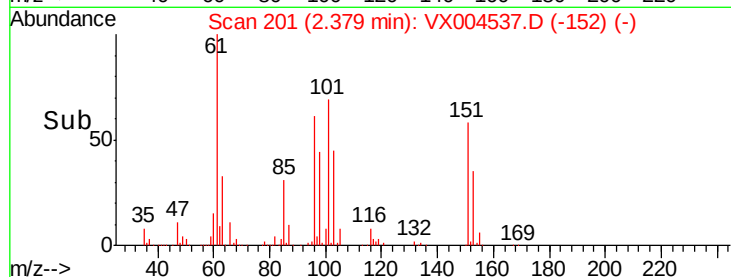
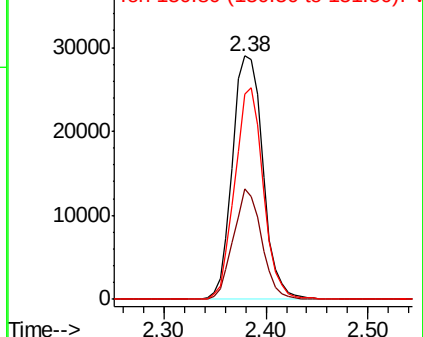
151 81.2 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.54 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

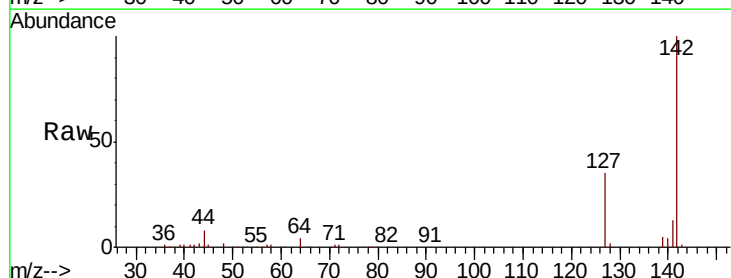
Tgt Ion:142 Resp: 45747

Ion Ratio Lower Upper

142 100

127 38.4 33.8 50.6

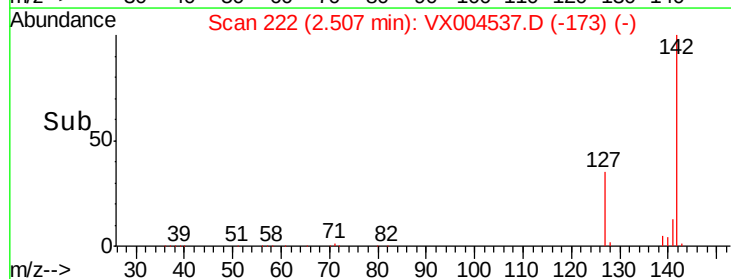
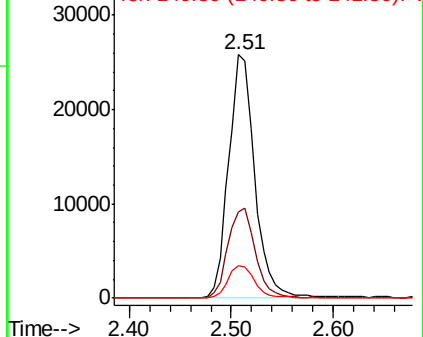
141 13.9 11.4 17.0

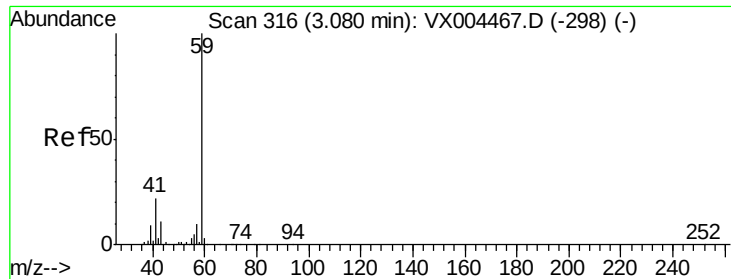


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

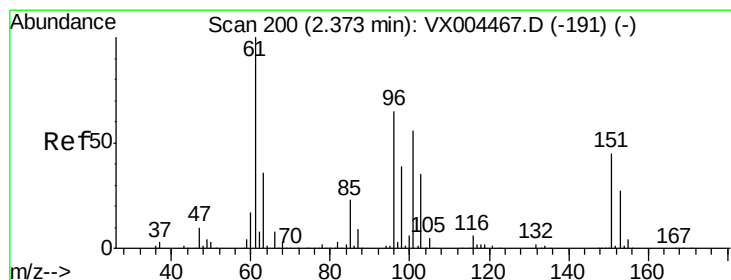
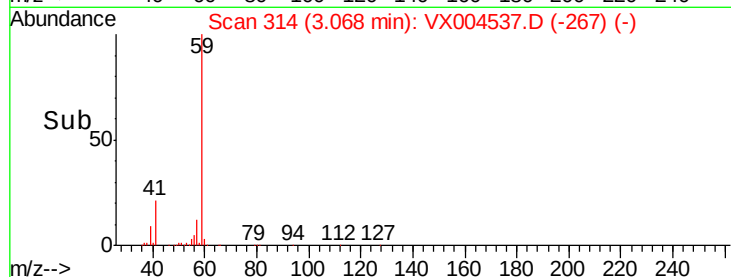
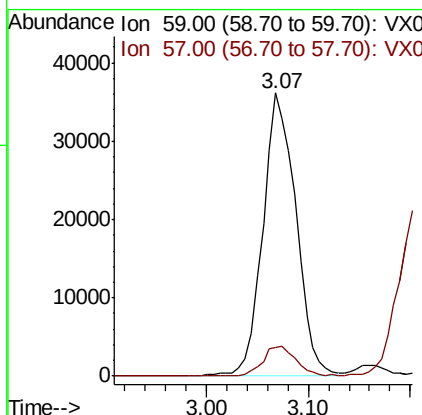
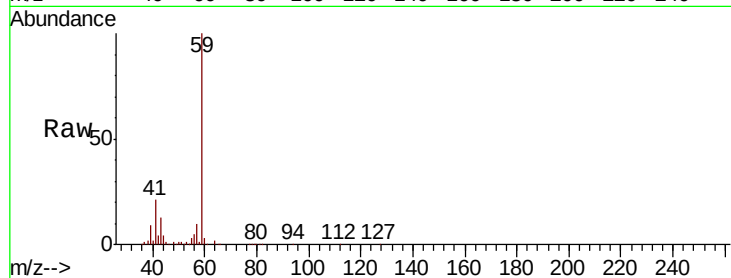




#11
Tert butyl alcohol
Concen: 94.90 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

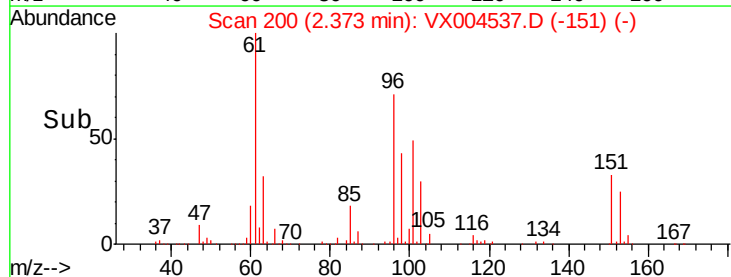
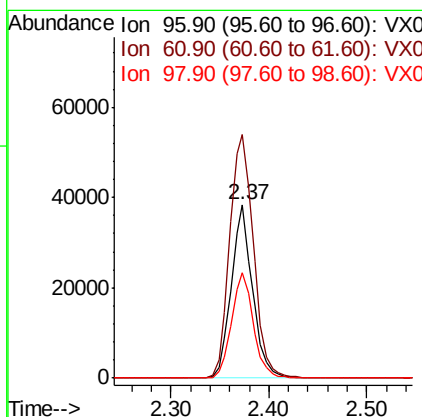
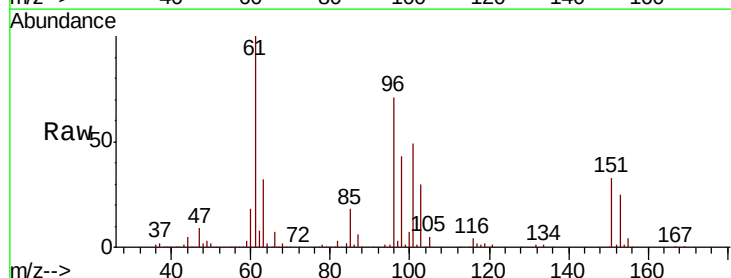
Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

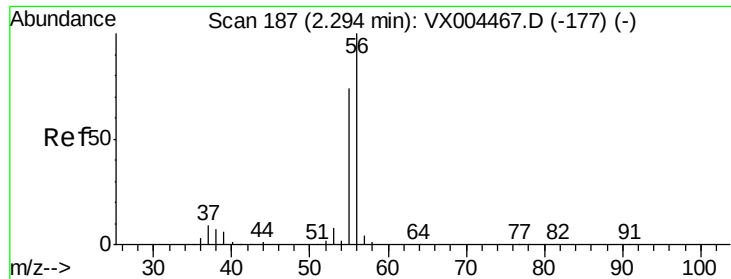
Tot Ion: 59 Resp: 81404
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.84 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 96 Resp: 57794
Ion Ratio Lower Upper
96 100
61 140.5 128.8 193.2
98 60.7 52.2 78.2





#13

Acrolein

Concen: 127.58 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

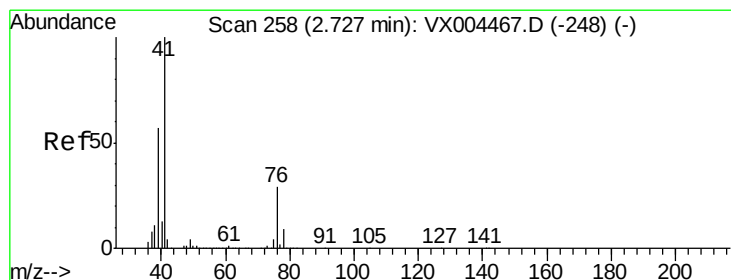
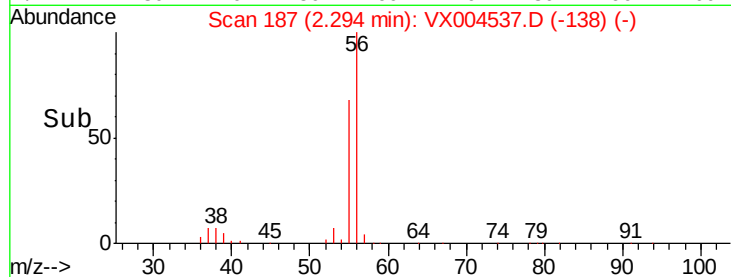
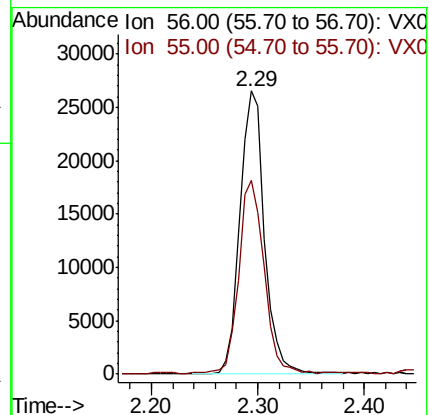
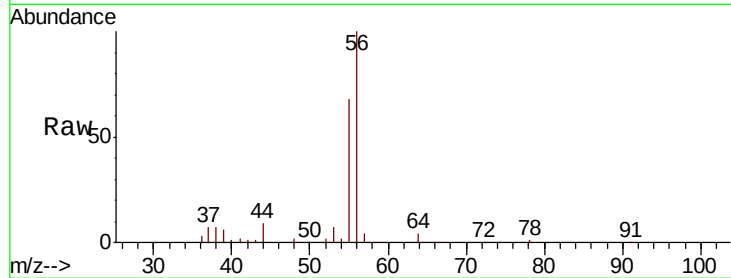
VX0914MBS01

Tot Ion: 56 Resp: 43198

Ion Ratio Lower Upper

56 100

55 69.2 54.7 82.1



#14

Allyl chloride

Concen: 18.75 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

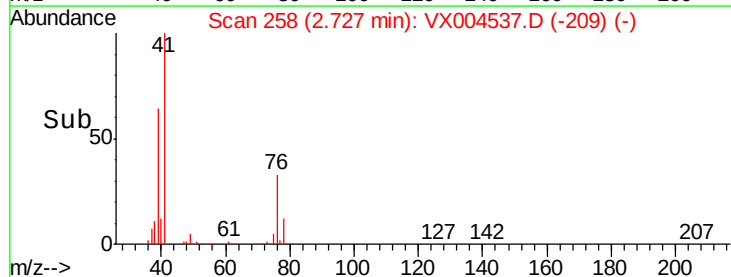
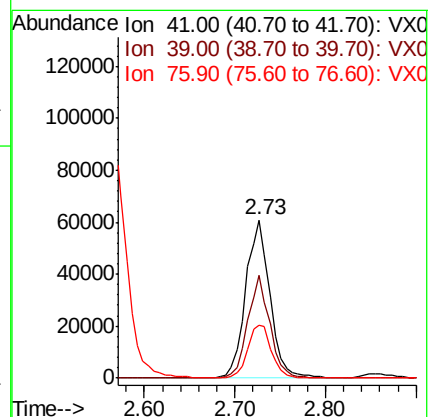
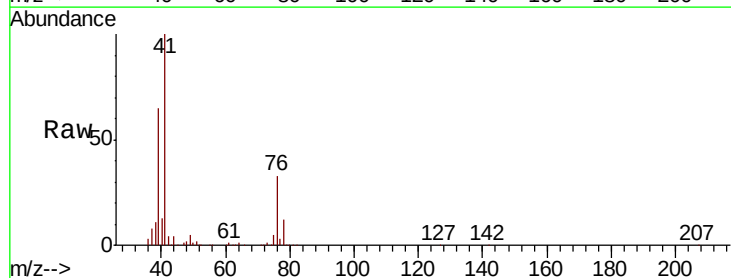
Tgt Ion: 41 Resp: 112304

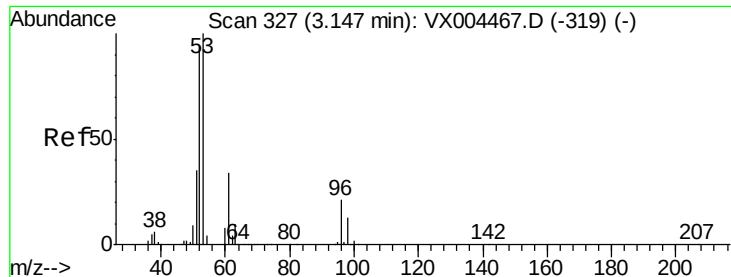
Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

76 33.2 26.7 40.1





#15

Acrylonitrile

Concen: 93.15 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

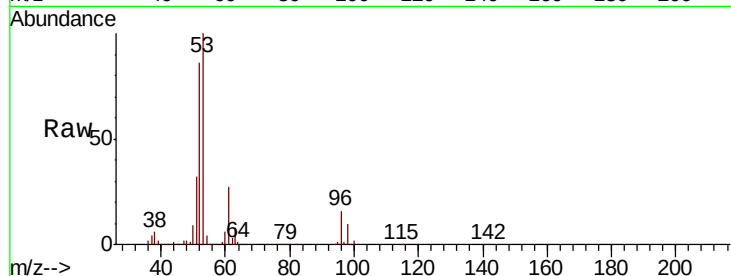
Tot Ion: 53 Resp: 192410

Ion Ratio Lower Upper

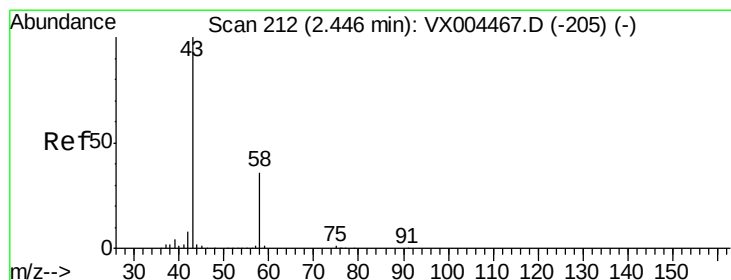
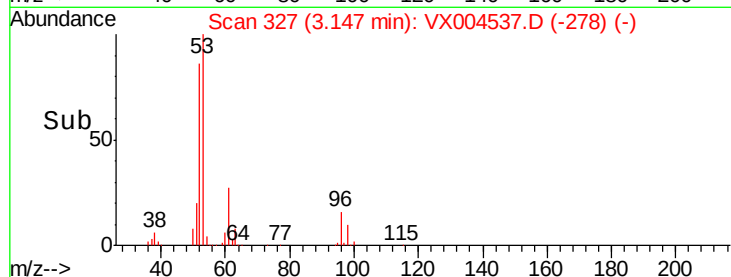
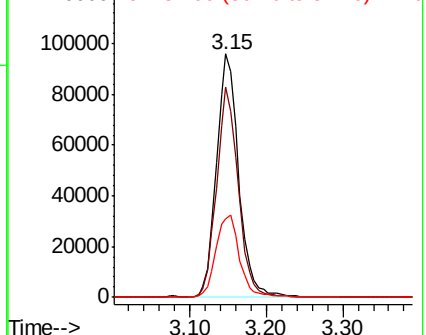
53 100

52 84.1 65.2 97.8

51 35.7 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 89.88 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004537.D

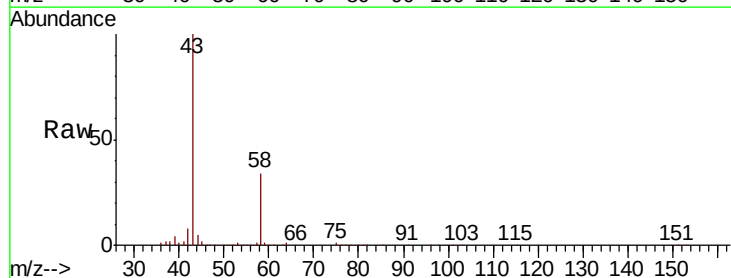
Acq: 14 Sep 2018 14:00

Tgt Ion: 43 Resp: 157698

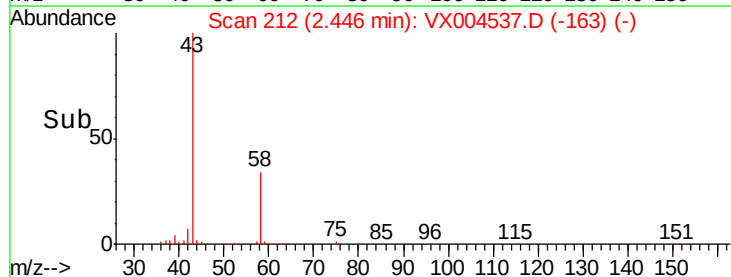
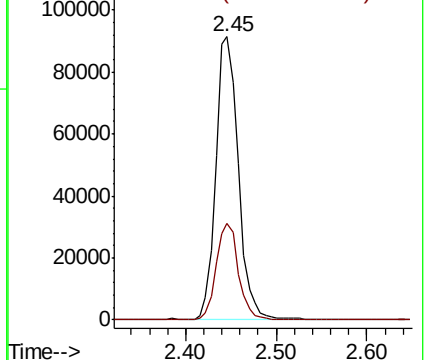
Ion Ratio Lower Upper

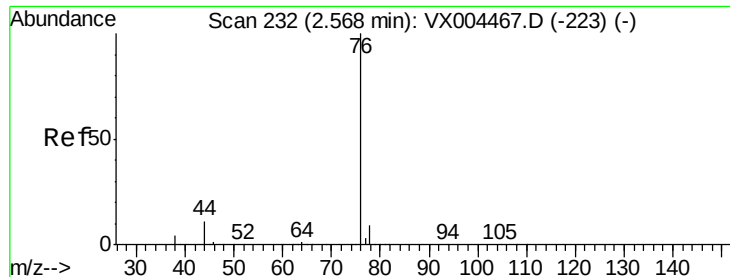
43 100

58 34.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.50 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

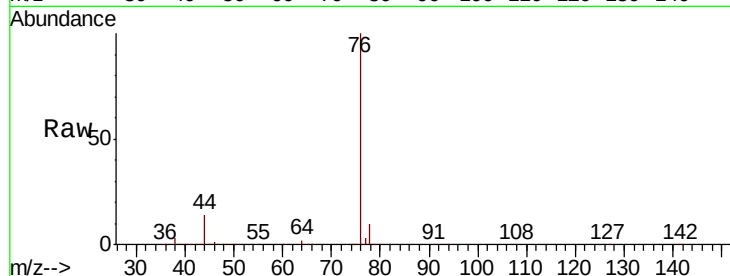
VX0914MBS01

Tot Ion: 76 Resp: 155806

Ion Ratio Lower Upper

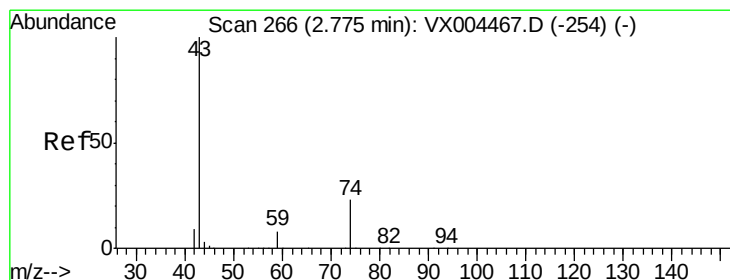
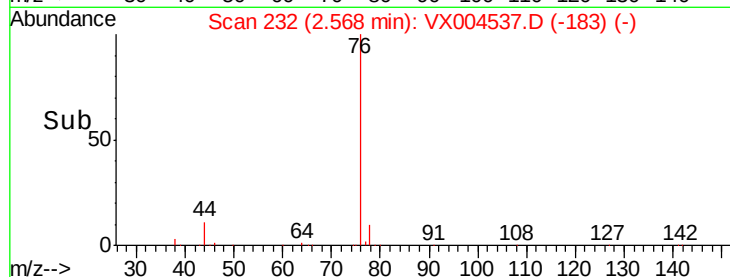
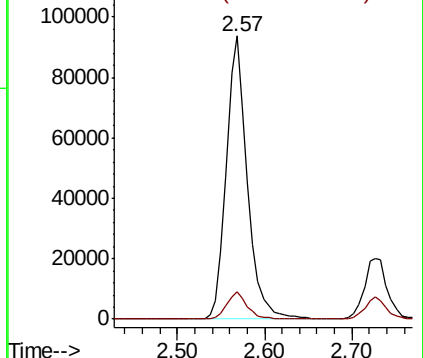
76 100

78 9.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.36 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004537.D

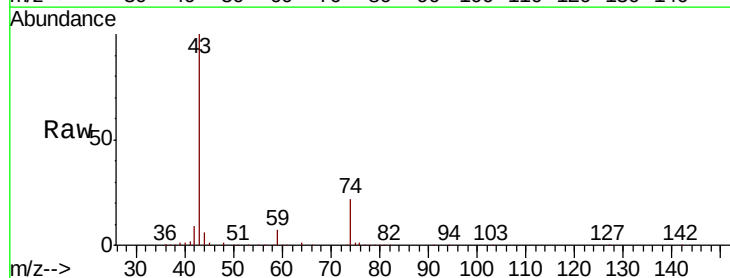
Acq: 14 Sep 2018 14:00

Tgt Ion: 43 Resp: 95292

Ion Ratio Lower Upper

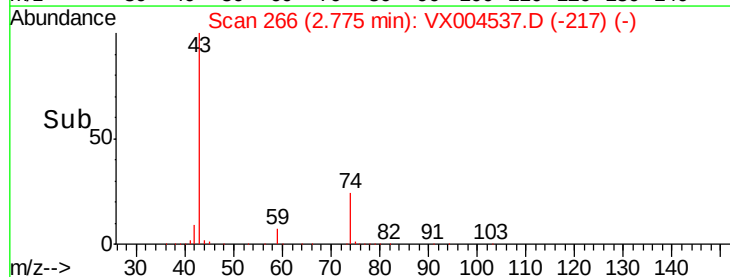
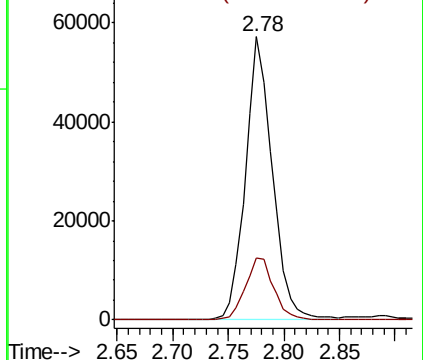
43 100

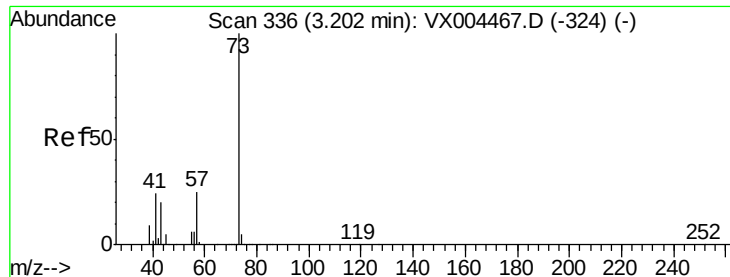
74 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



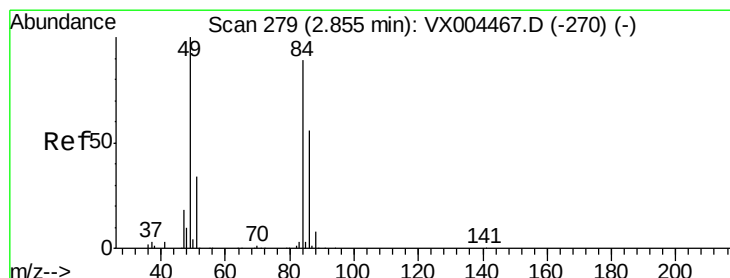
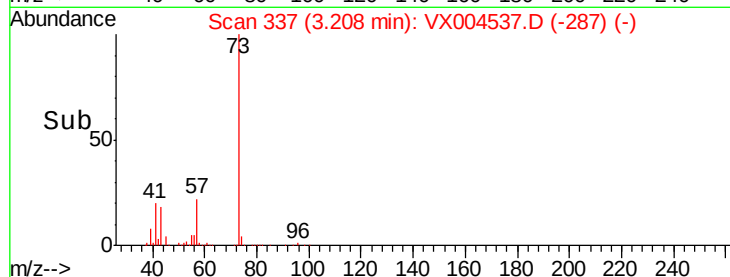
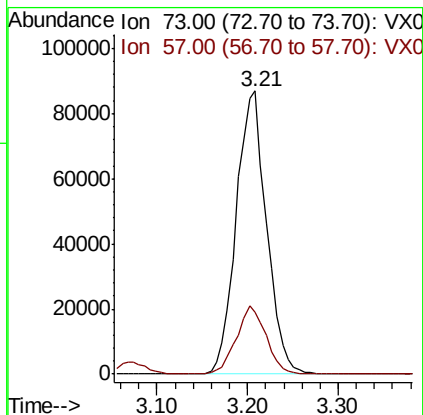
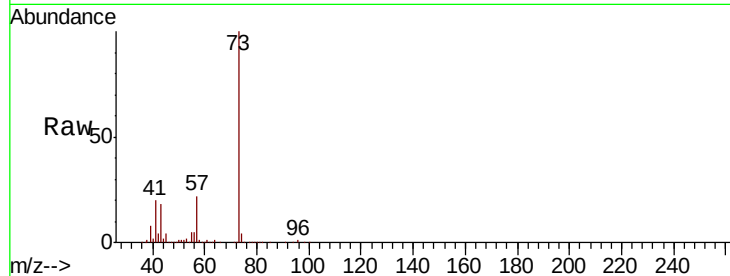


#19

Methyl tert-butyl Ether
 Concen: 19.73 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

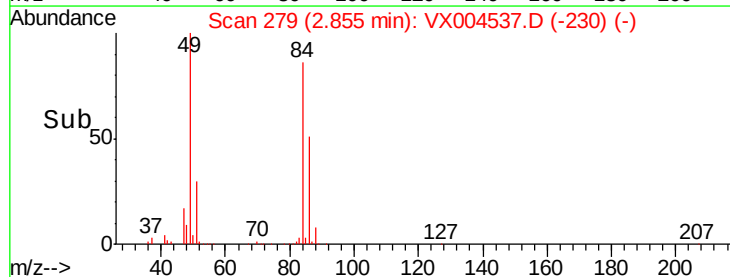
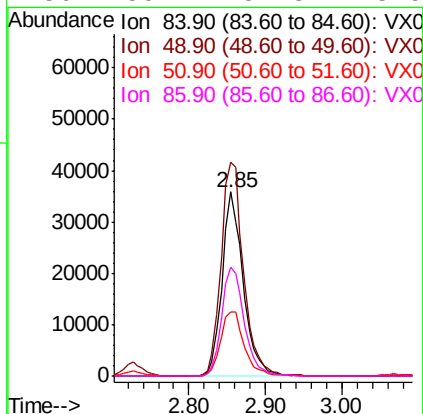
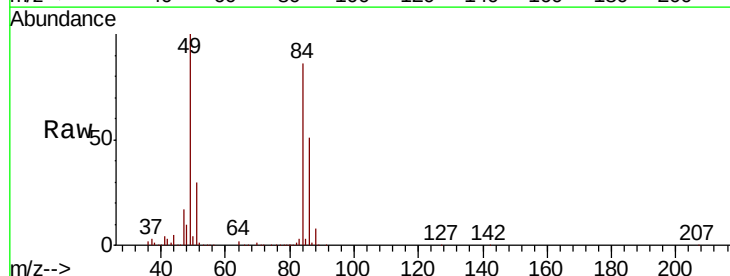
Tot Ion: 73 Resp: 201701
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.1 25.7

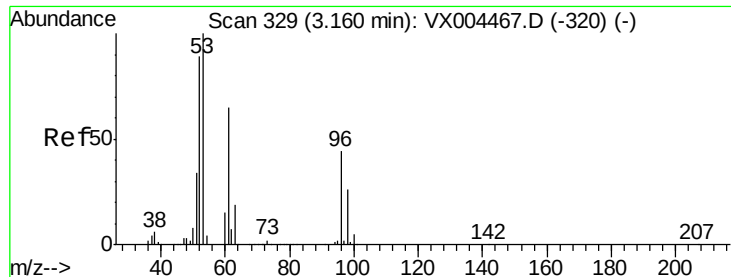


#20

Methylene Chloride
 Concen: 19.05 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion: 84 Resp: 68578
 Ion Ratio Lower Upper
 84 100
 49 116.1 101.2 151.8
 51 34.8 29.5 44.3
 86 59.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.28 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

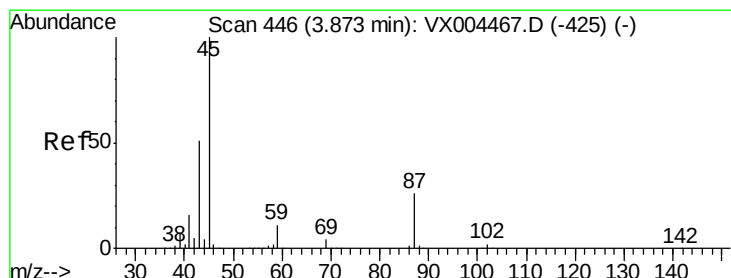
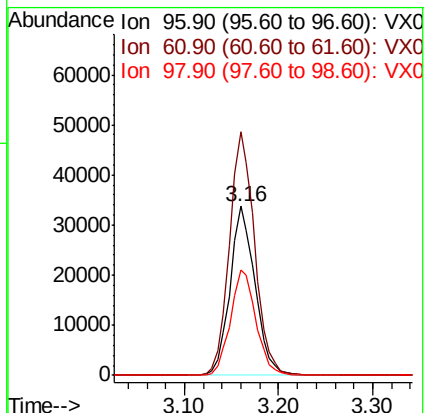
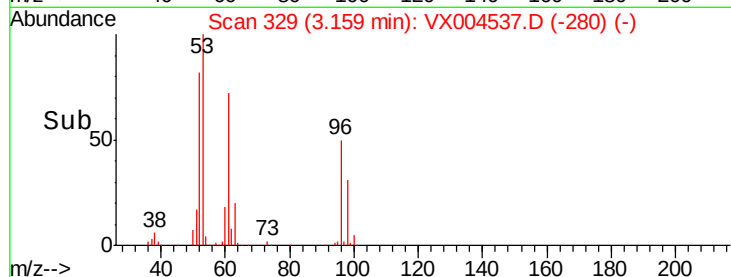
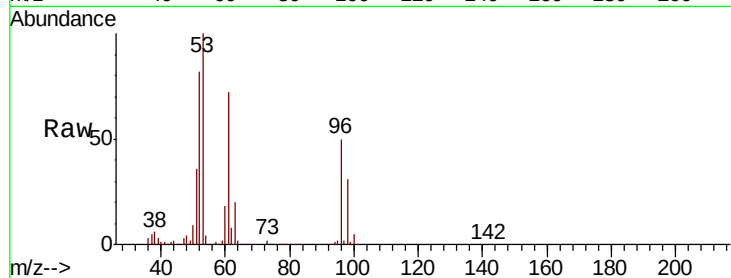
Tot Ion: 96 Resp: 62058

Ion Ratio Lower Upper

96 100

61 143.8 113.8 170.6

98 62.5 51.8 77.8



#22

Diisopropyl ether

Concen: 19.76 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Tgt Ion: 45 Resp: 213167

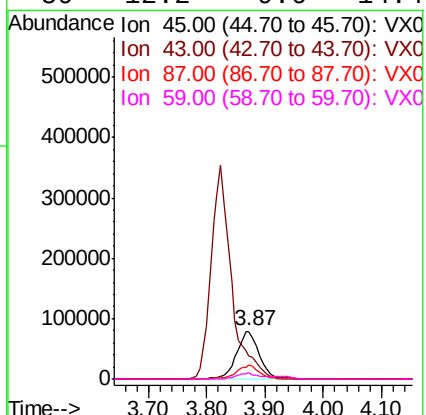
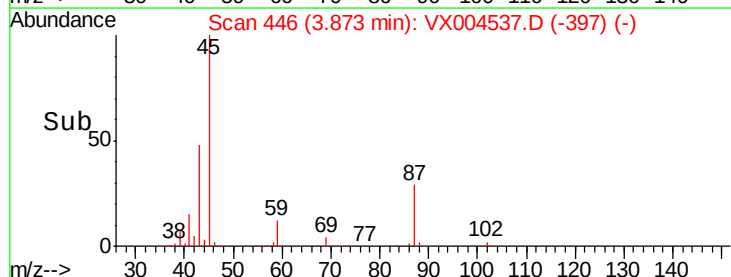
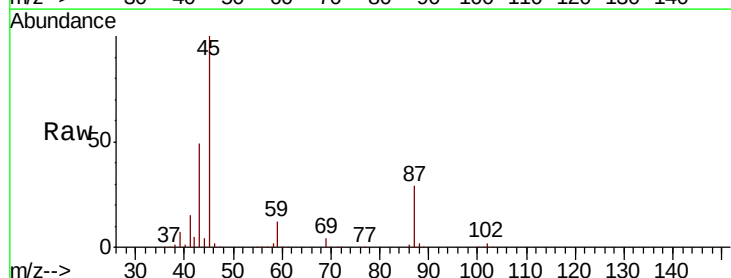
Ion Ratio Lower Upper

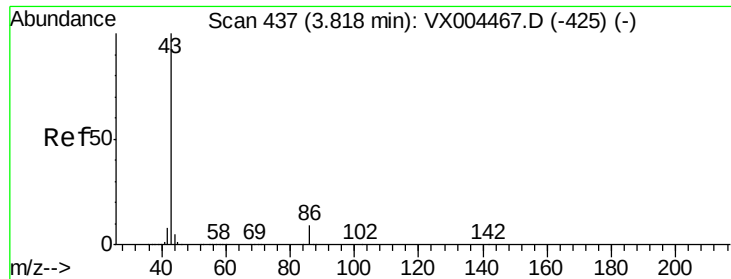
45 100

43 48.2 42.8 64.2

87 28.7 22.6 34.0

59 12.2 9.6 14.4





#23

Vinyl Acetate

Concen: 98.52 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

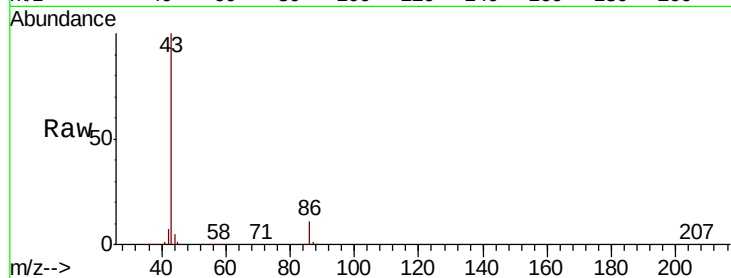
VX0914MBS01

Tot Ion: 43 Resp: 860006

Ion Ratio Lower Upper

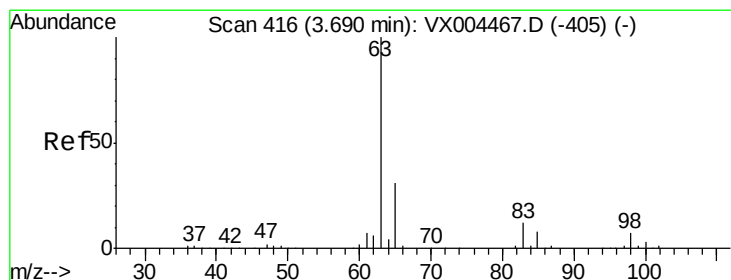
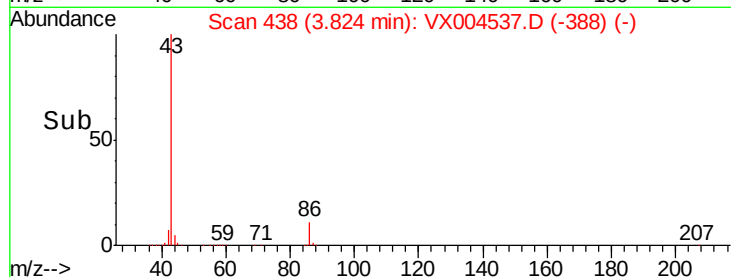
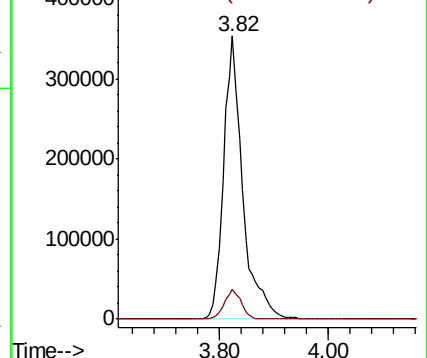
43 100

86 10.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.43 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

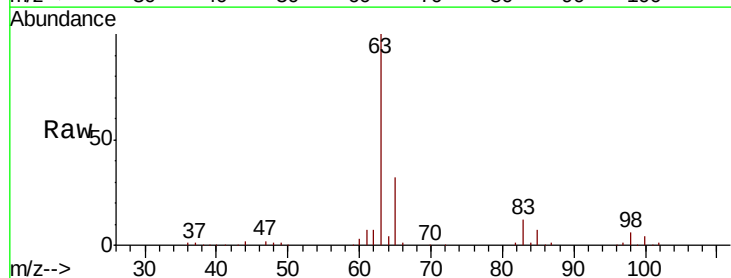
Tgt Ion: 63 Resp: 118300

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

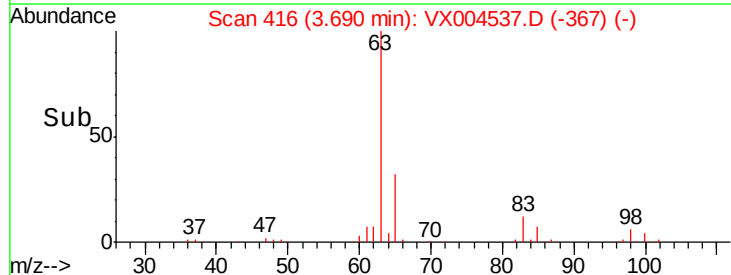
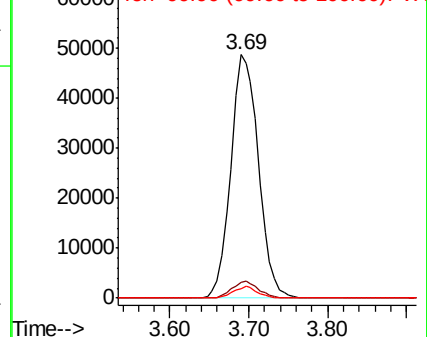
100 3.8 2.4 7.1

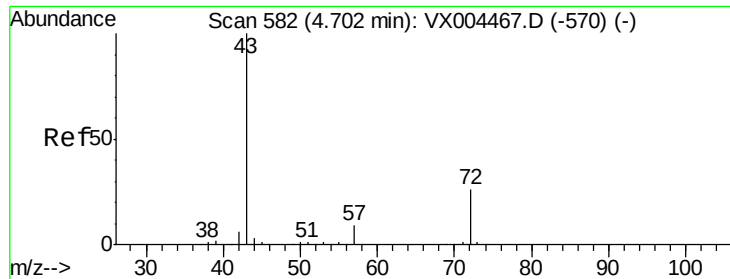


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 89.07 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

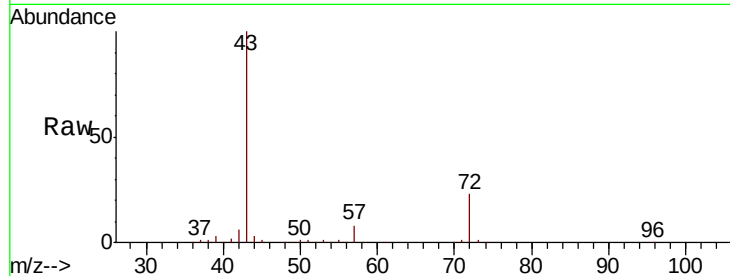
VX0914MBS01

Tot Ion: 43 Resp: 248727

Ion Ratio Lower Upper

43 100

72 23.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

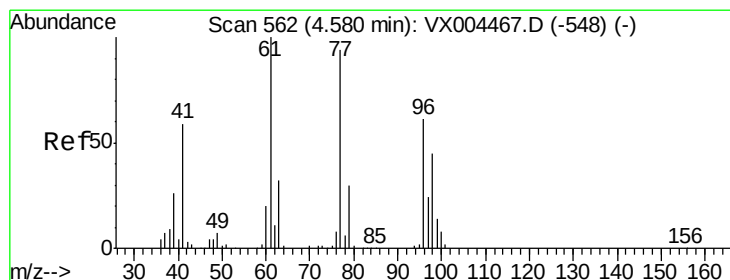
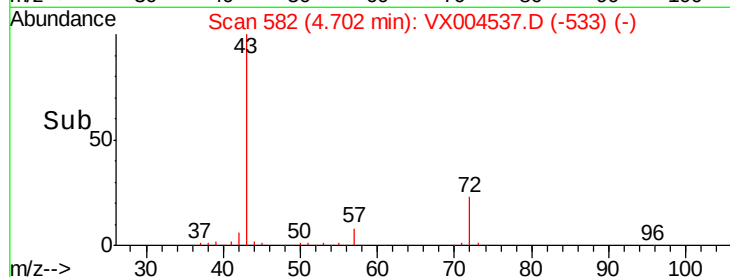
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.68 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004537.D

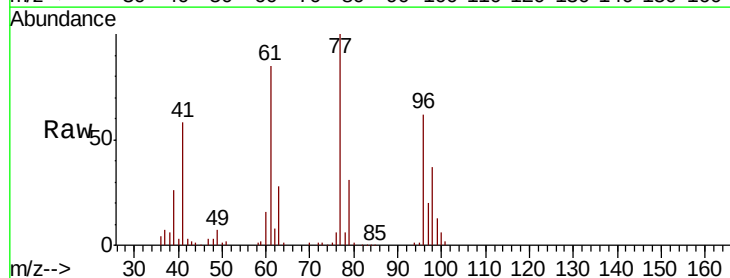
Acq: 14 Sep 2018 14:00

Tgt Ion: 77 Resp: 86495

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

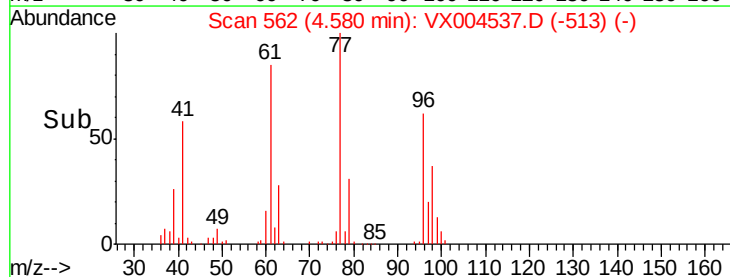
20000

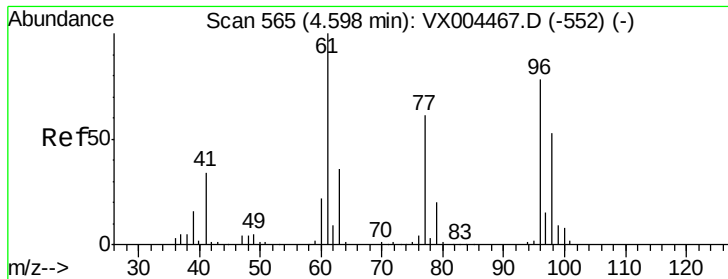
10000

0

4.40 4.50 4.60 4.70

Time-->



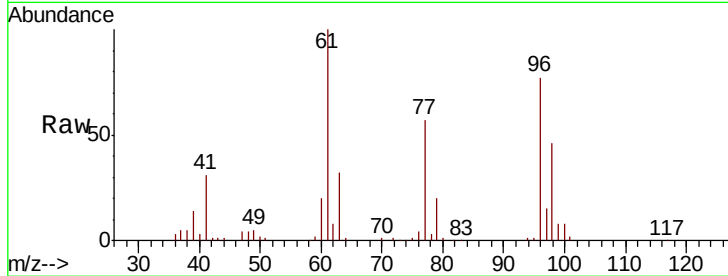


#27

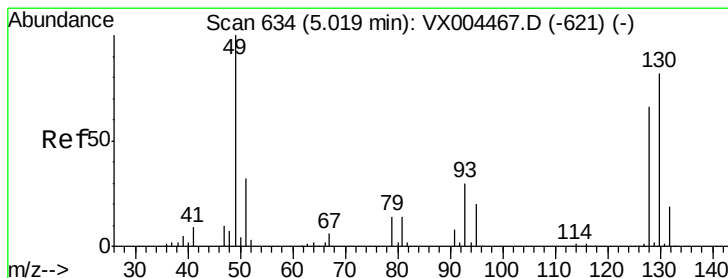
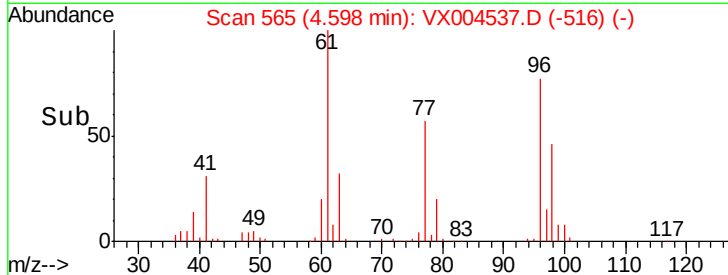
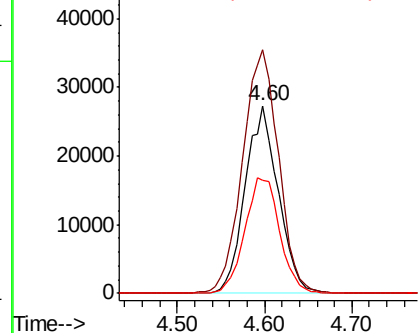
cis-1,2-Dichloroethene
 Concen: 20.06 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion: 96 Resp: 72080
 Ion Ratio Lower Upper
 96 100
 61 140.5 0.0 282.6
 98 64.8 0.0 130.2



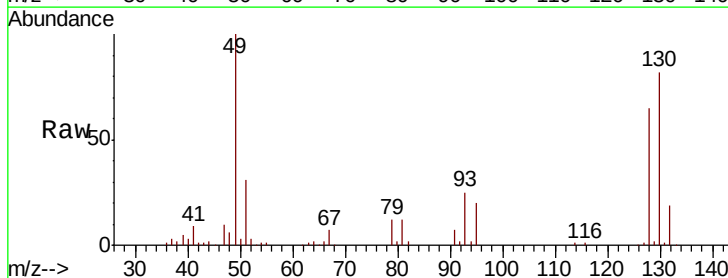
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



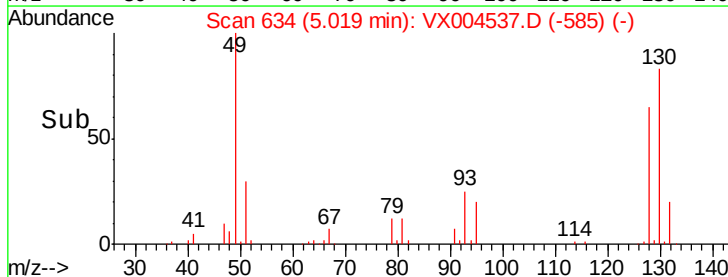
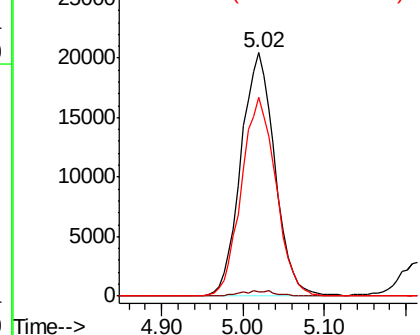
#28

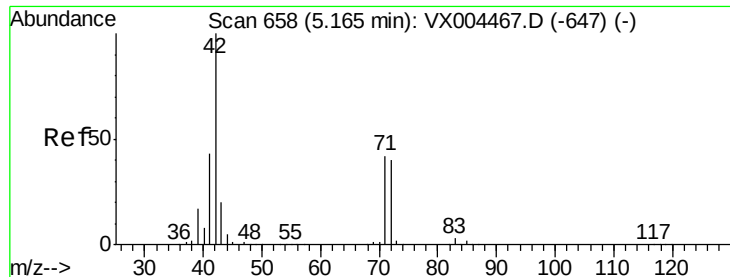
Bromochloromethane
 Concen: 21.22 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion: 49 Resp: 59117
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 82.9 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

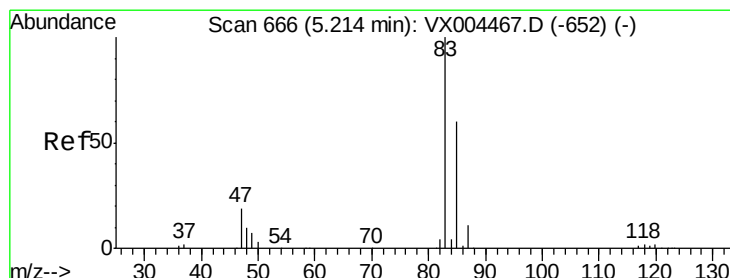
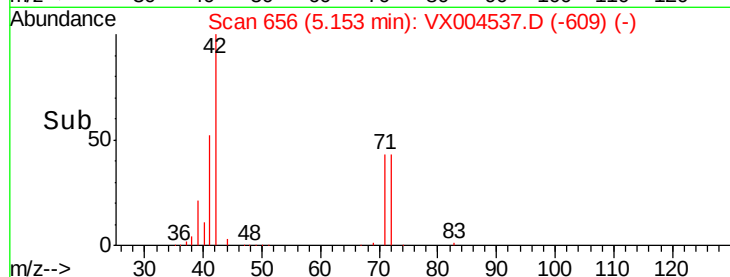
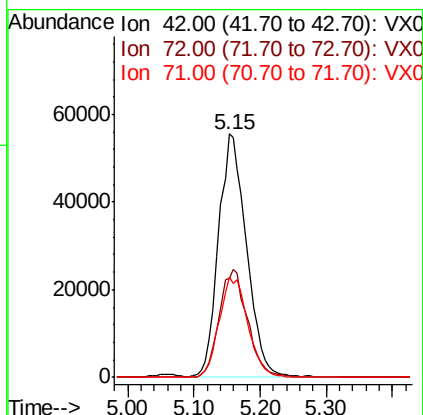
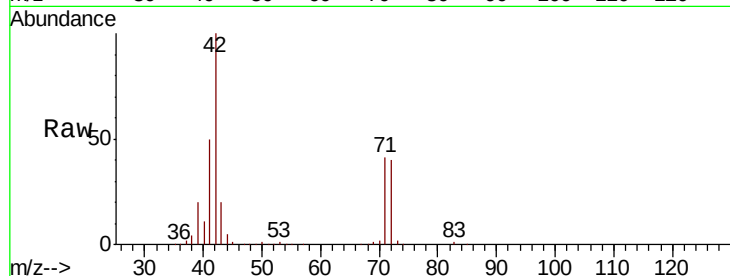




#29
Tetrahydrofuran
Concen: 96.51 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

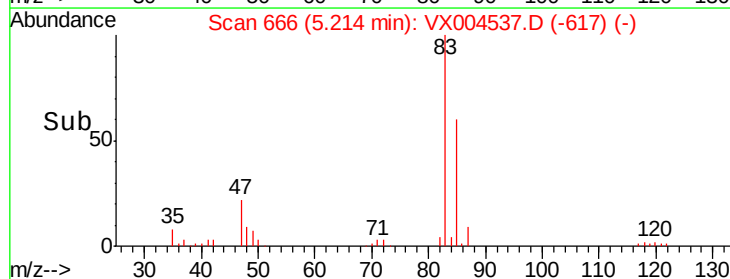
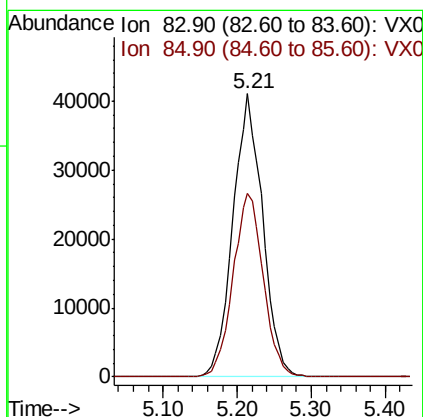
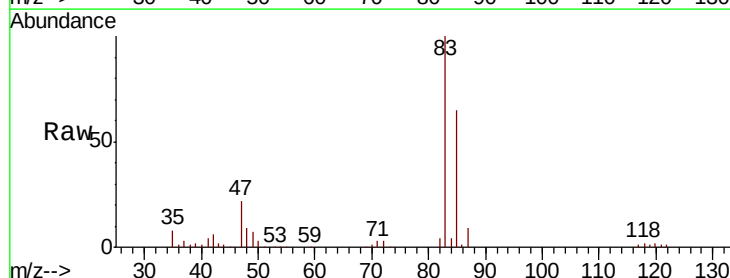
Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

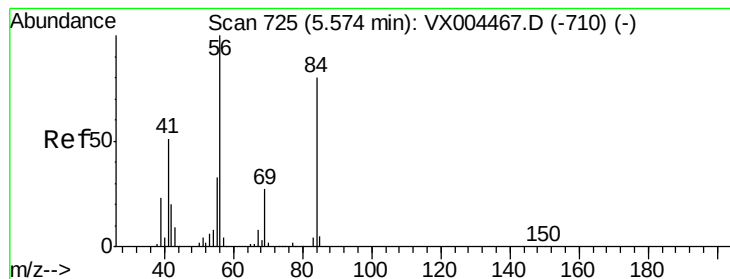
Tot Ion: 42 Resp: 162518
Ion Ratio Lower Upper
42 100
72 44.6 37.4 56.0
71 42.3 34.5 51.7



#30
Chloroform
Concen: 19.31 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 83 Resp: 114789
Ion Ratio Lower Upper
83 100
85 65.0 52.6 79.0





#31

Cyclohexane

Concen: 19.87 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

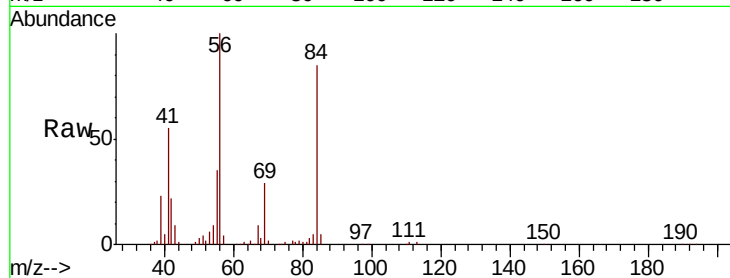
Tot Ion: 56 Resp: 103335

Ion Ratio Lower Upper

56 100

69 28.8 25.4 38.2

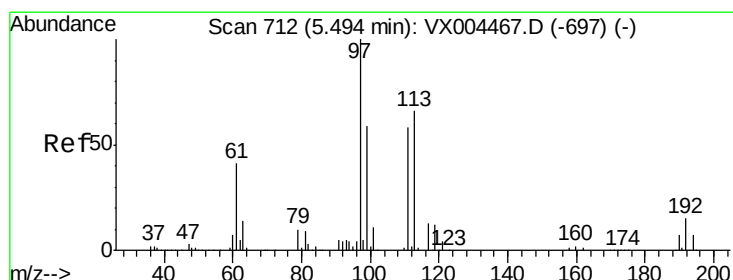
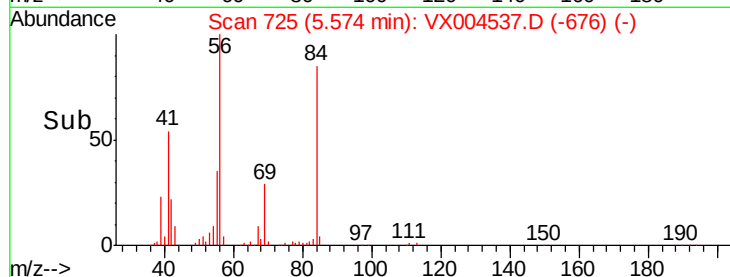
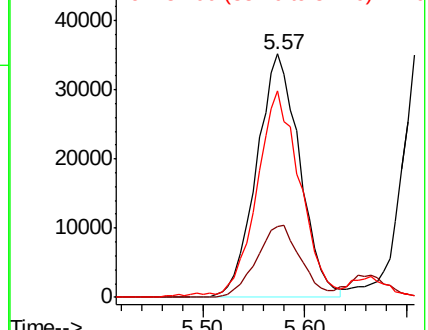
84 83.7 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.04 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

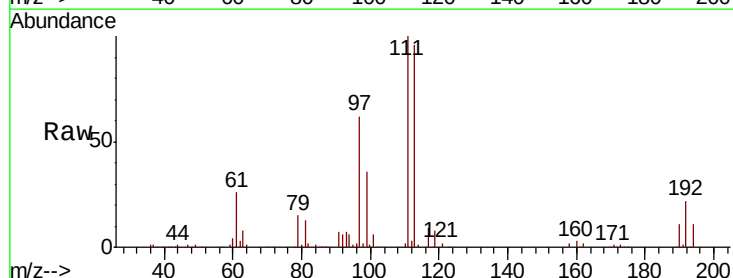
Tgt Ion: 97 Resp: 95960

Ion Ratio Lower Upper

97 100

99 62.8 52.0 78.0

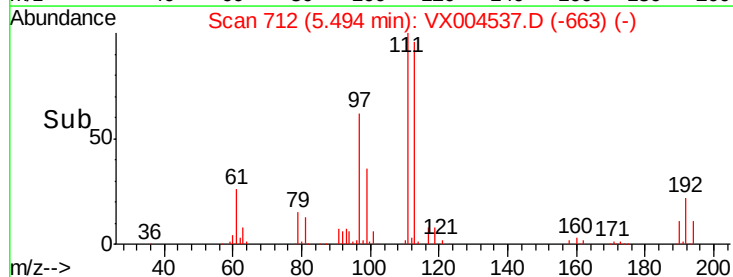
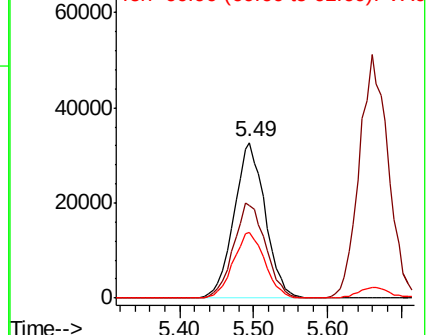
61 43.2 34.9 52.3

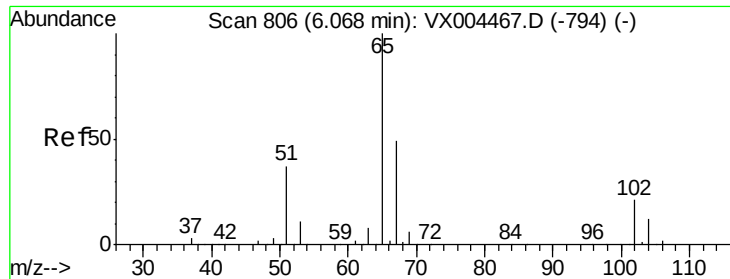


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.20 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

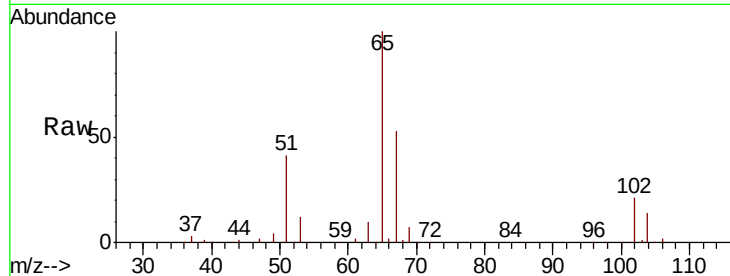
VX0914MBS01

Tot Ion: 65 Resp: 180458

Ion Ratio Lower Upper

65 100

67 55.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

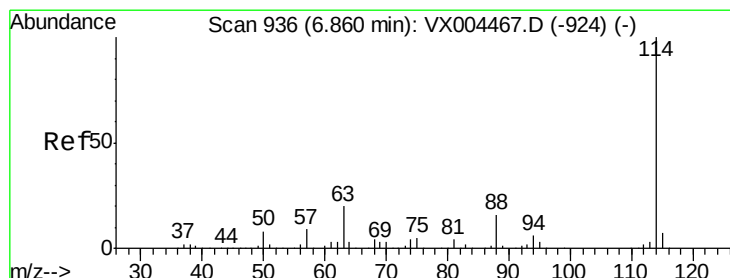
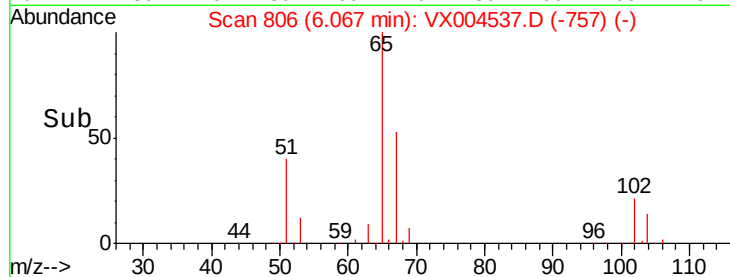
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

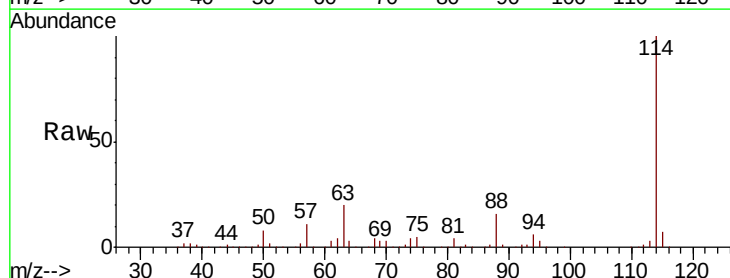
Tgt Ion: 114 Resp: 354587

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 16.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

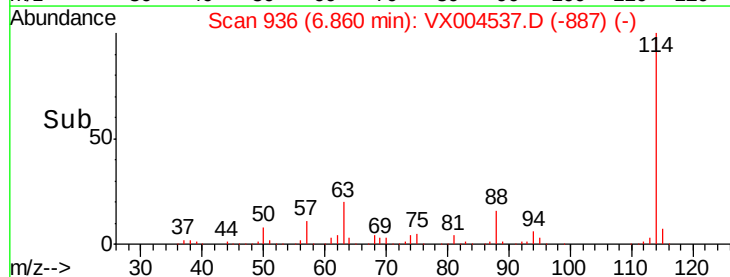
100000

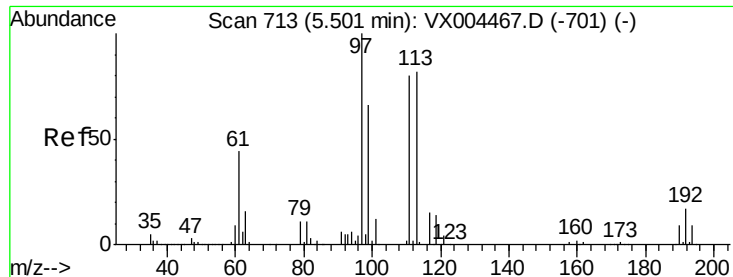
50000

0

Time-->

6.80 6.90 7.00

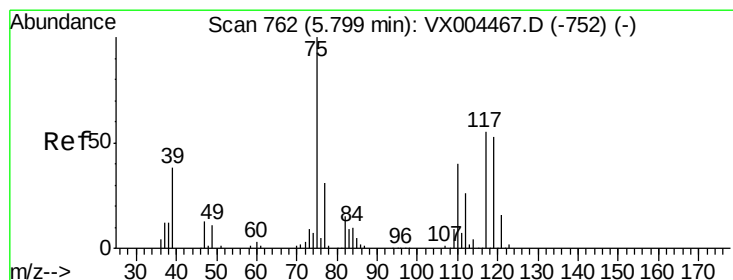
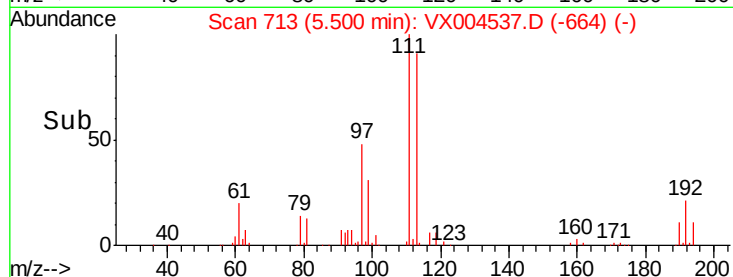
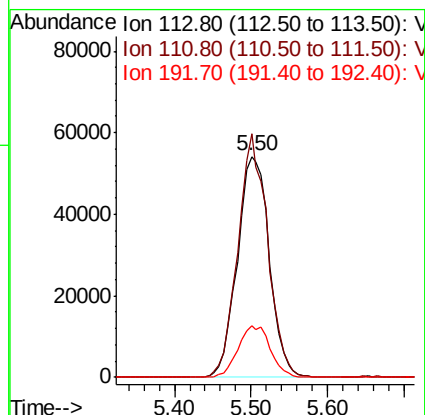
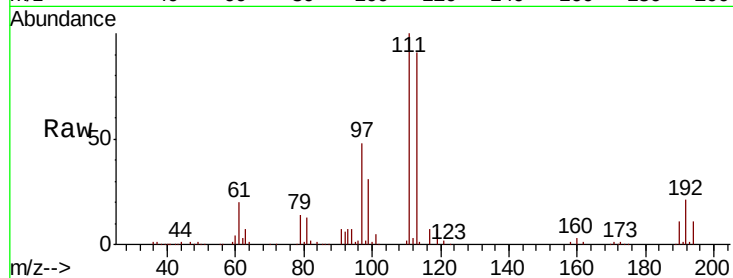




#35
 Dibromofluoromethane
 Concen: 48.31 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

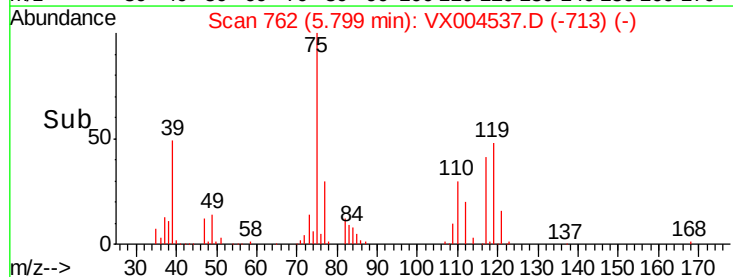
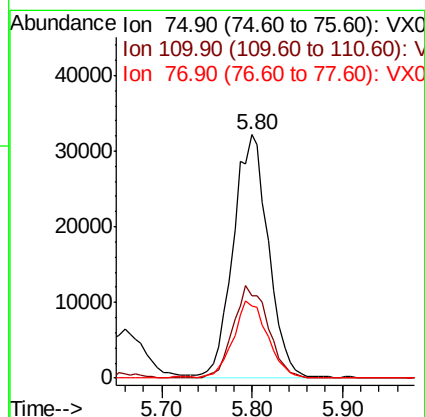
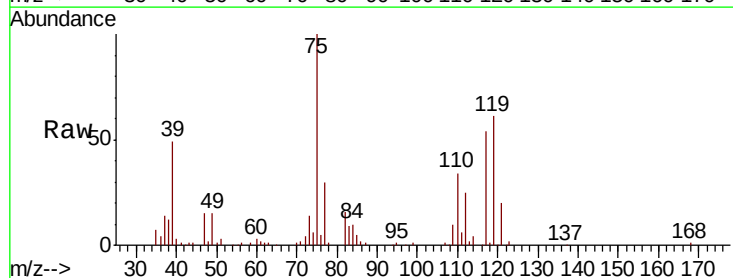
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

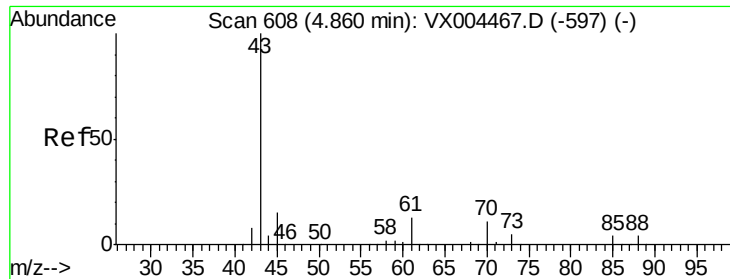
Tot Ion:113 Resp: 156765
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 23.6 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 19.98 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion: 75 Resp: 85992
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.0 54.0
 77 31.2 24.6 36.8

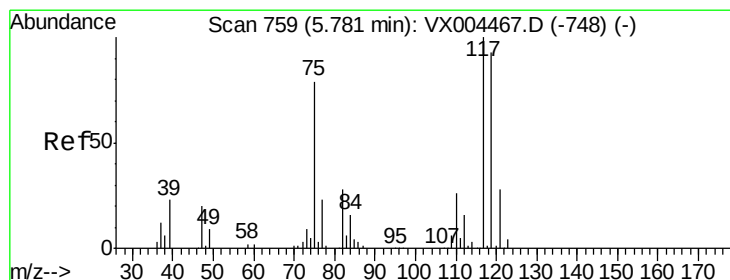
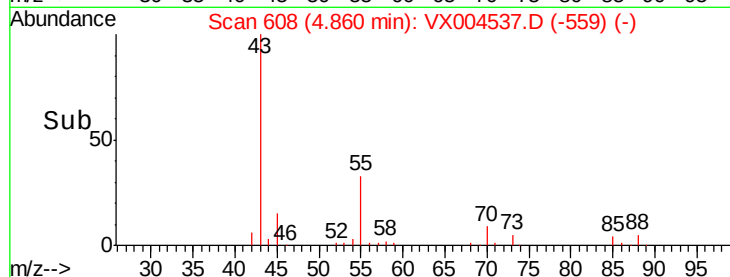
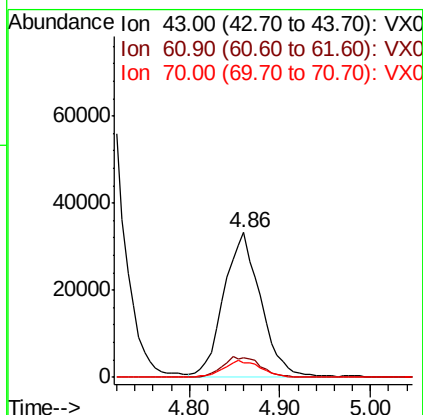
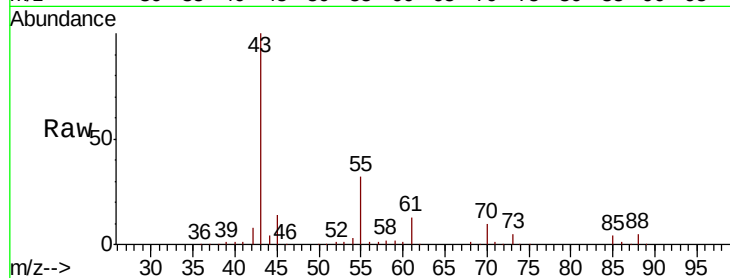




#37
Ethyl Acetate
Concen: 18.86 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

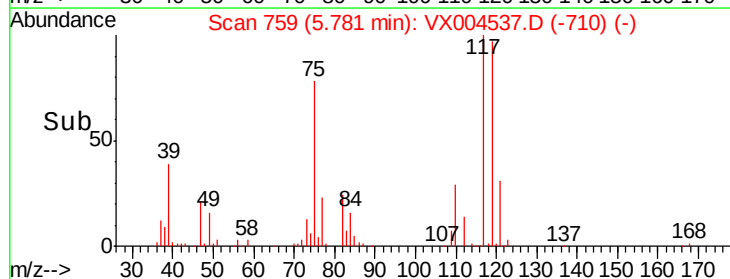
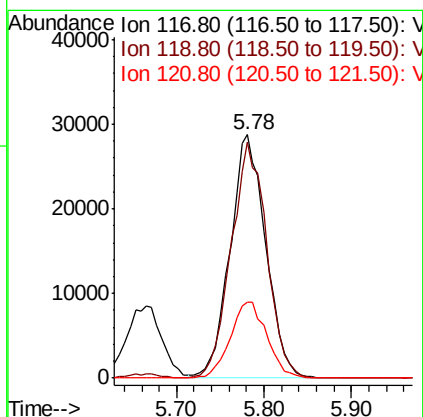
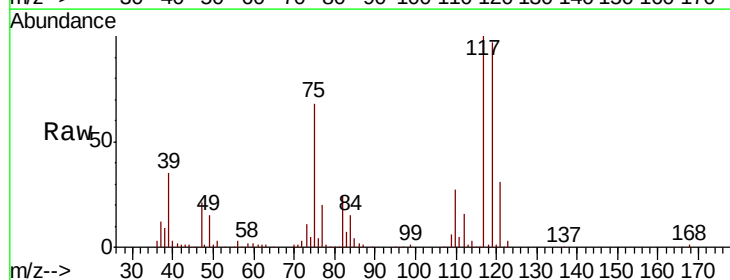
Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

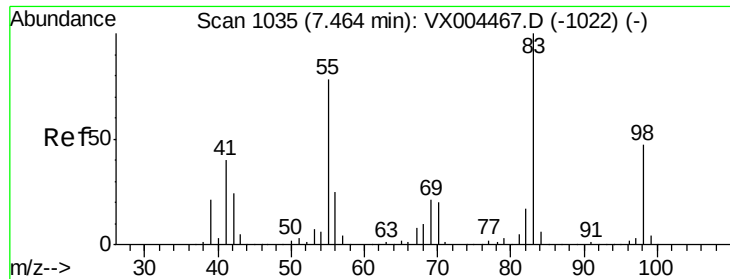
Tot Ion: 43 Resp: 92352
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 11.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.33 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 117 Resp: 81280
Ion Ratio Lower Upper
117 100
119 97.0 78.8 118.2
121 31.0 24.9 37.3

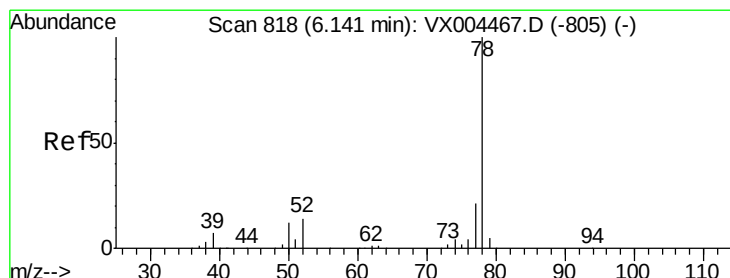
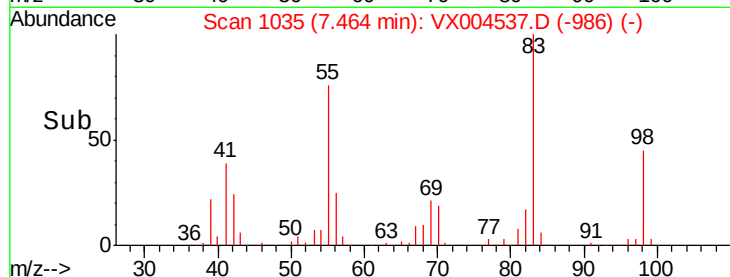
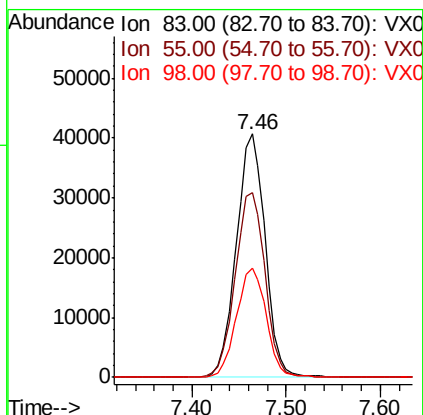
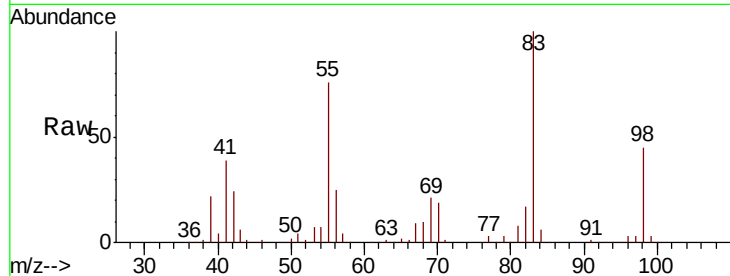




#39
Methylvlcyclohexane
Concen: 19.36 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

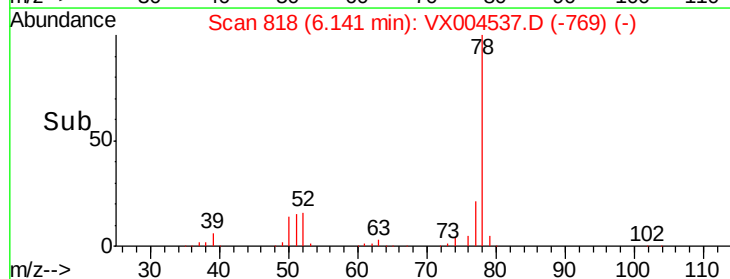
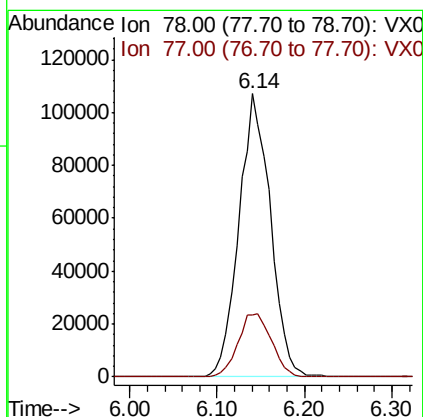
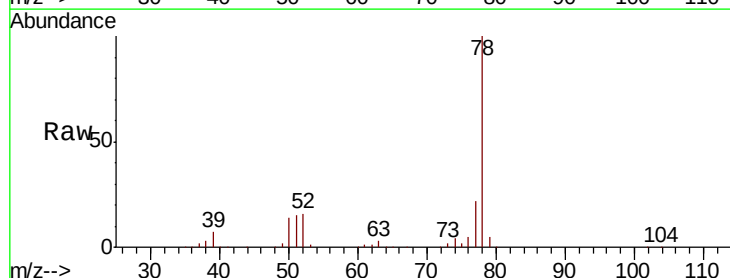
Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

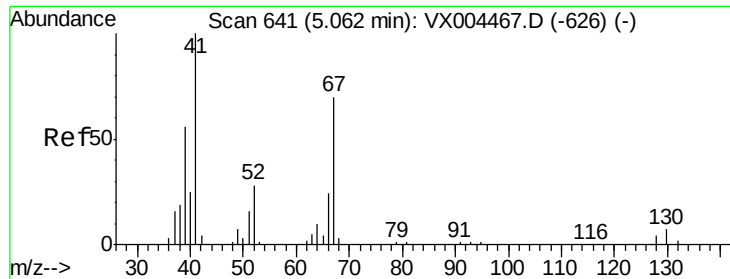
Tot Ion: 83 Resp: 86979
Ion Ratio Lower Upper
83 100
55 76.0 61.0 91.4
98 44.8 39.6 59.4



#40
Benzene
Concen: 20.99 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 78 Resp: 268087
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4





#41

Methacrylonitrile

Concen: 19.49 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 41 Resp: 52590

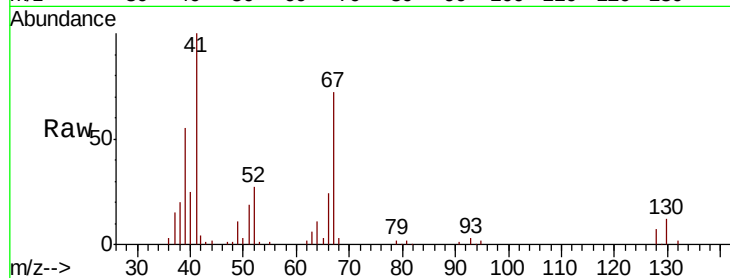
Ion Ratio Lower Upper

41 100

39 52.1 42.4 63.6

67 73.5 59.2 88.8

52 29.2 23.0 34.4

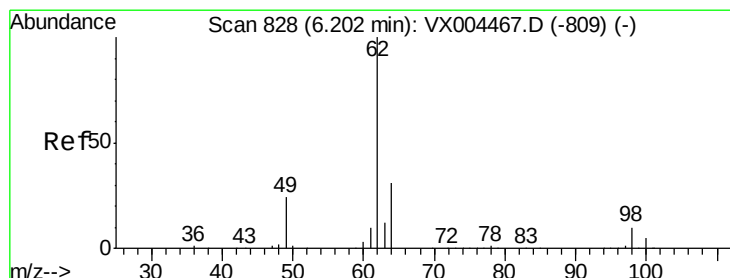
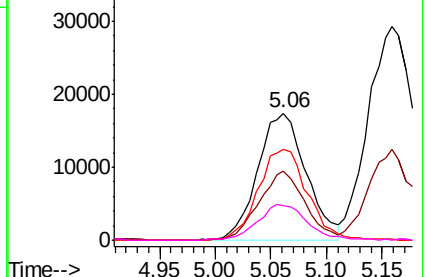
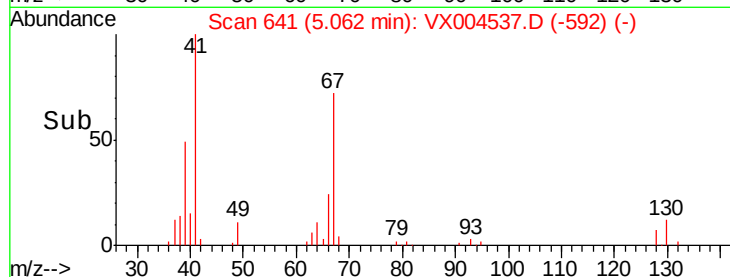


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.92 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

Lab File: VX004537.D

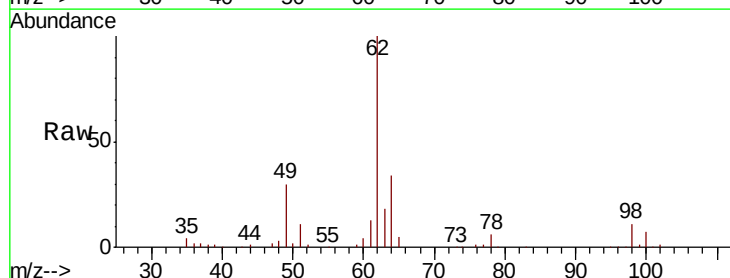
Acq: 14 Sep 2018 14:00

Tgt Ion: 62 Resp: 84367

Ion Ratio Lower Upper

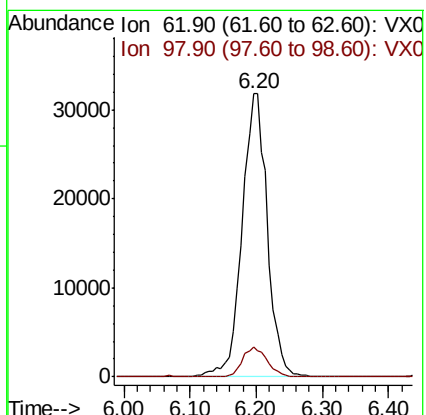
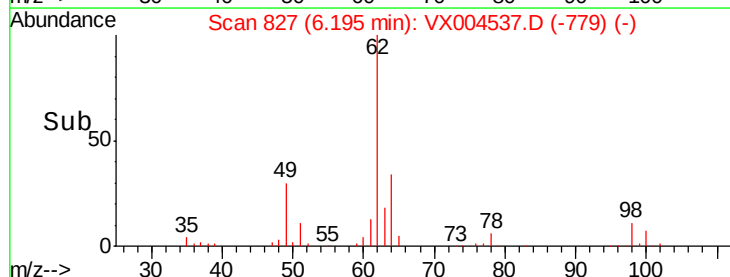
62 100

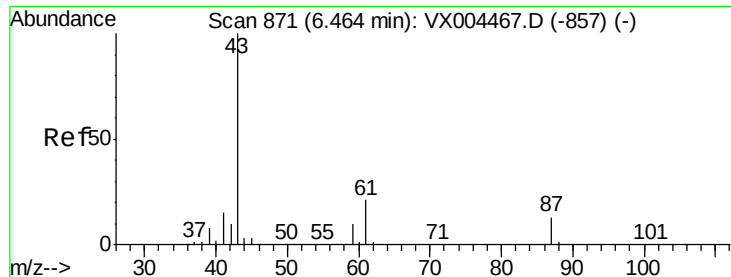
98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.17 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

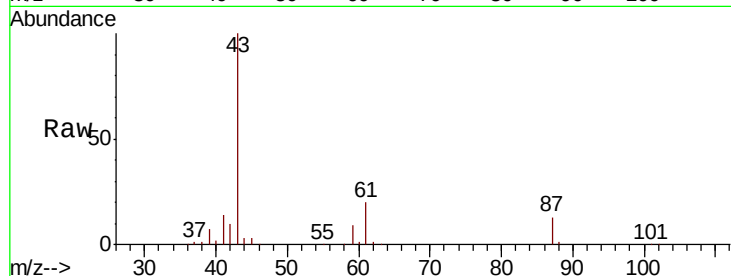
Tot Ion: 43 Resp: 131143

Ion Ratio Lower Upper

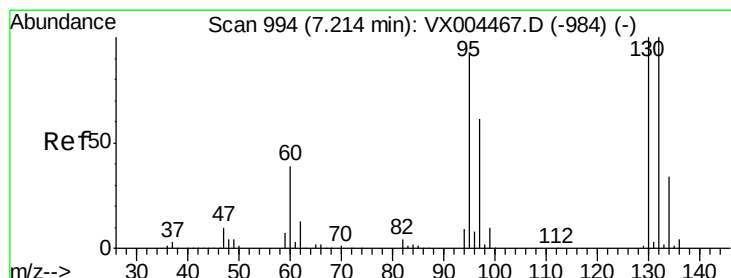
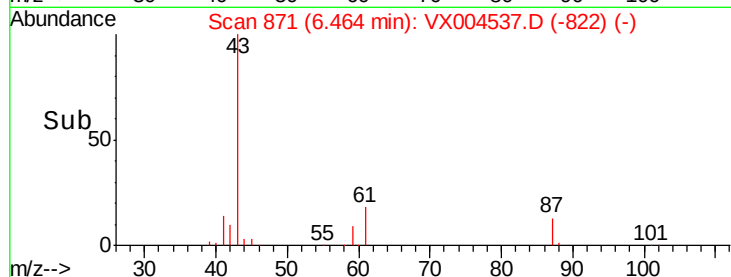
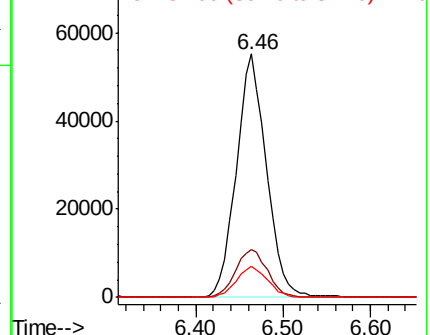
43 100

61 20.9 17.0 25.4

87 13.2 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.79 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004537.D

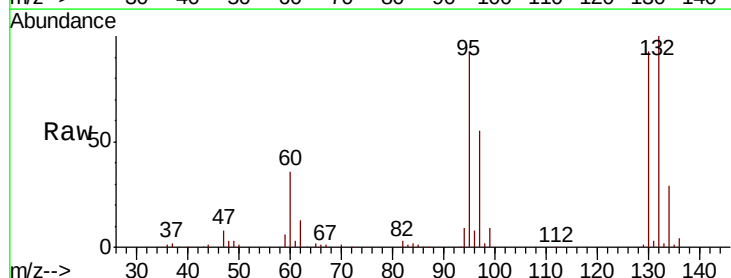
Acq: 14 Sep 2018 14:00

Tgt Ion:130 Resp: 65656

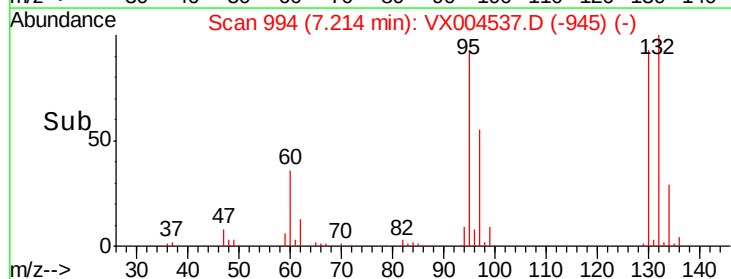
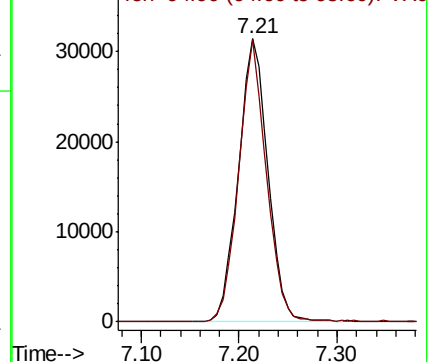
Ion Ratio Lower Upper

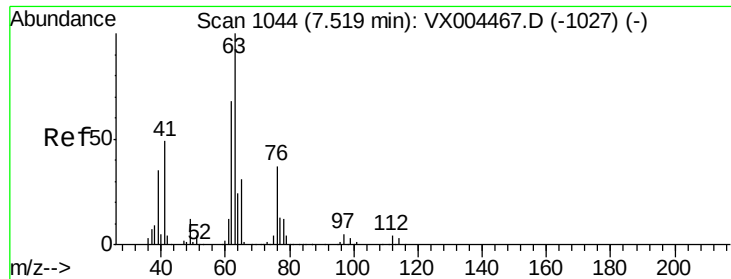
130 100

95 99.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

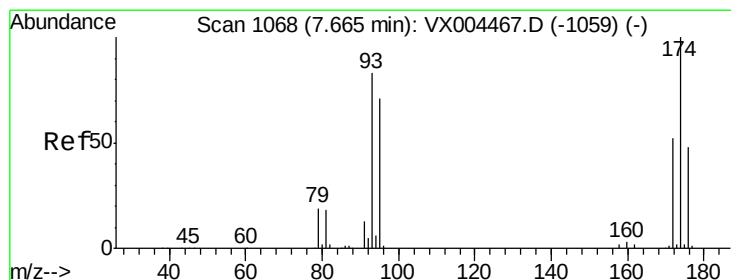
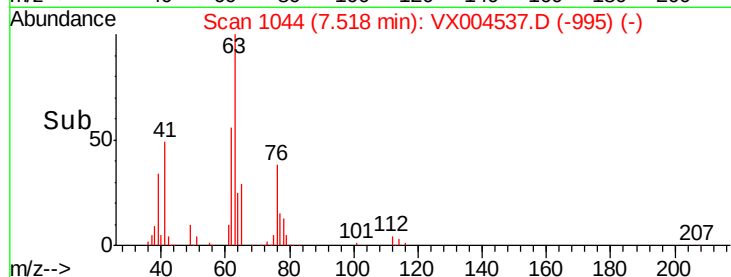
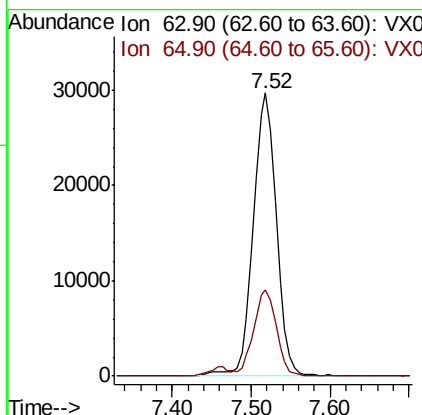
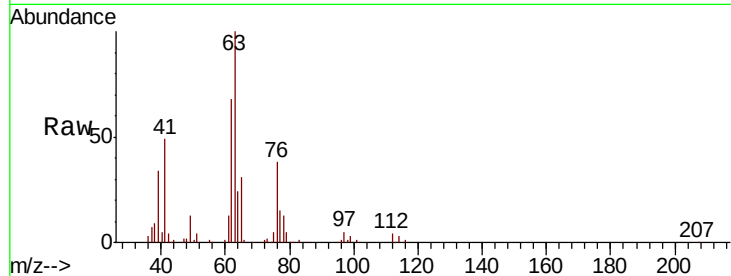




#45
 1,2-Dichloropropane
 Concen: 19.74 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

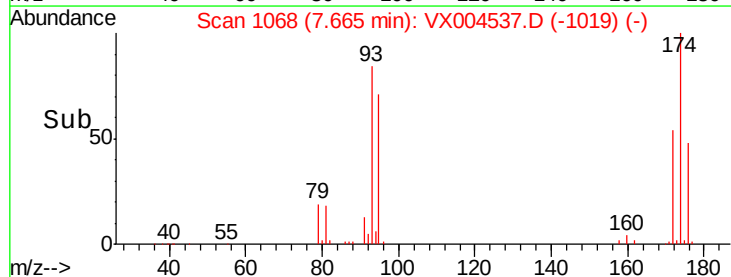
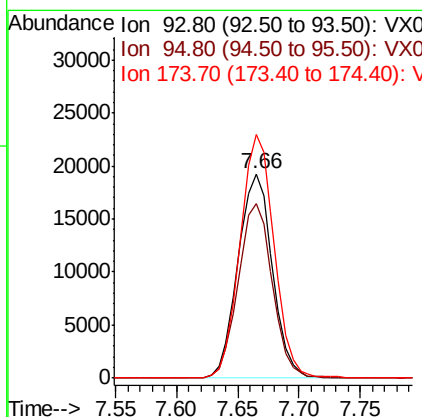
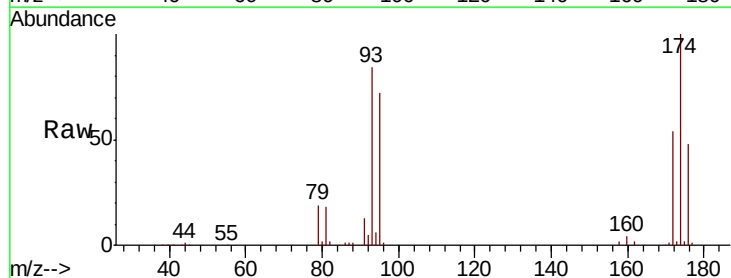
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

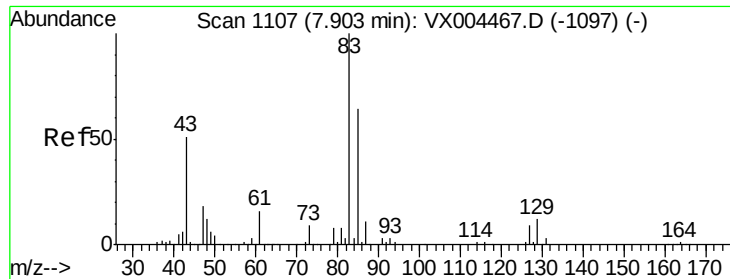
Tot Ion: 63 Resp: 60683
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.3 36.5



#46
 Dibromomethane
 Concen: 19.35 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion: 93 Resp: 37574
 Ion Ratio Lower Upper
 93 100
 95 85.3 65.5 98.3
 174 118.0 94.2 141.4





#47

Bromodichloromethane

Concen: 19.00 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

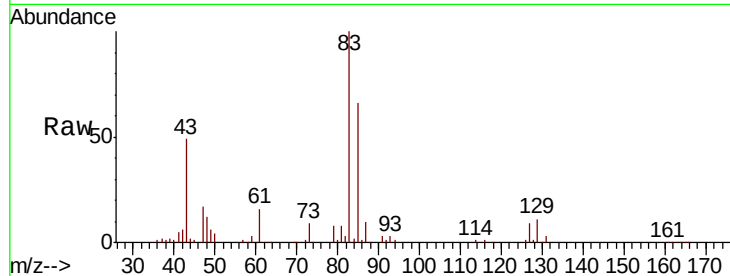
Tot Ion: 83 Resp: 69783

Ion Ratio Lower Upper

83 100

85 66.0 50.9 76.3

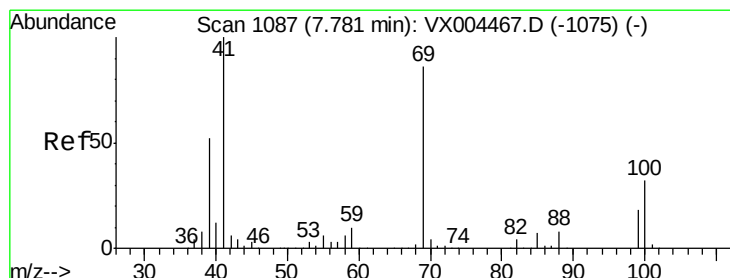
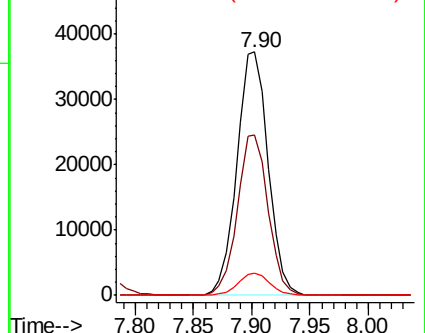
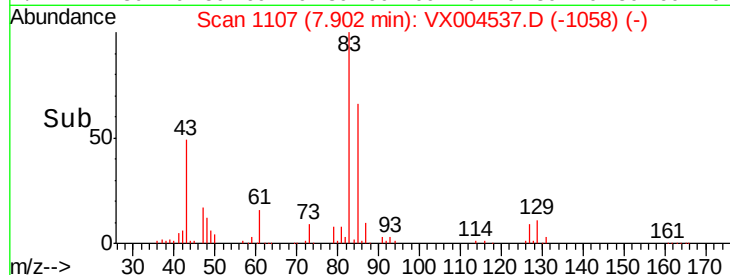
127 9.2 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.38 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

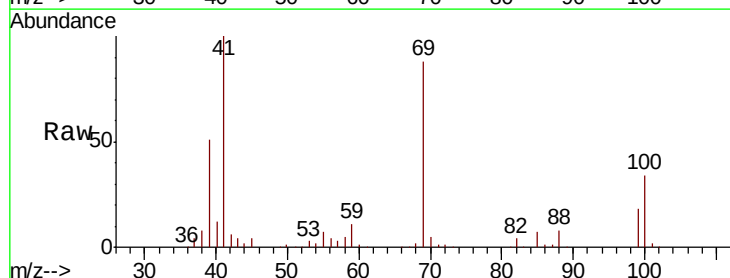
Tgt Ion: 41 Resp: 62387

Ion Ratio Lower Upper

41 100

69 87.9 70.2 105.4

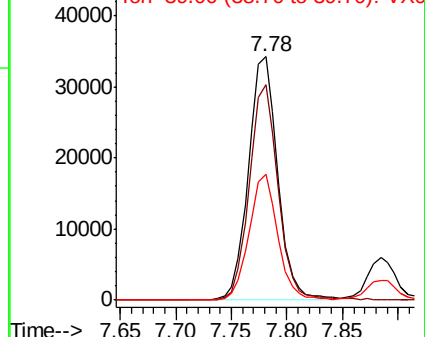
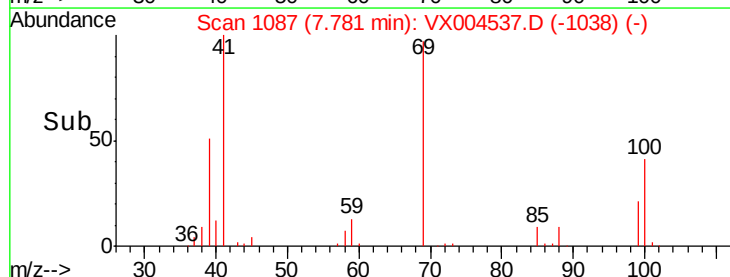
39 51.2 42.7 64.1

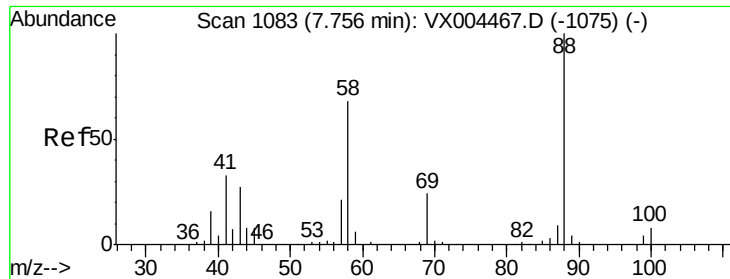


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

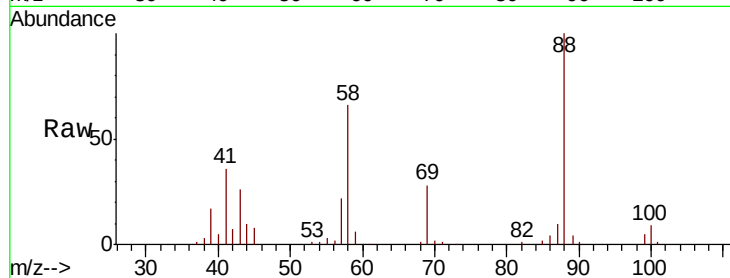




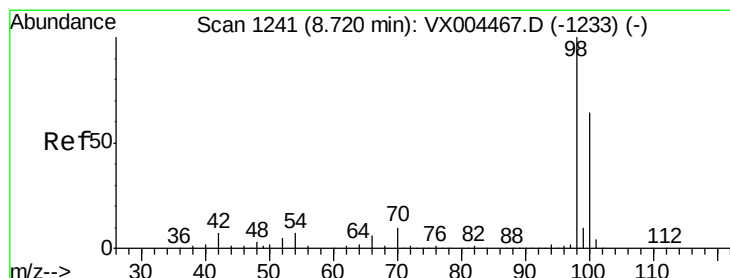
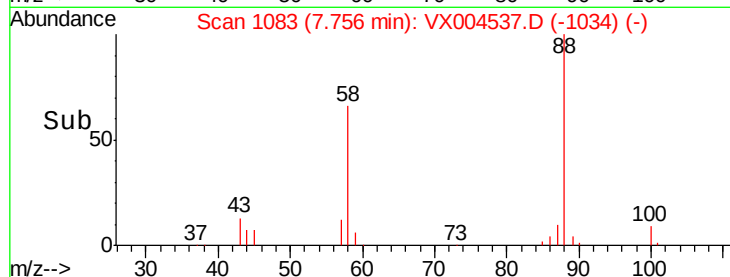
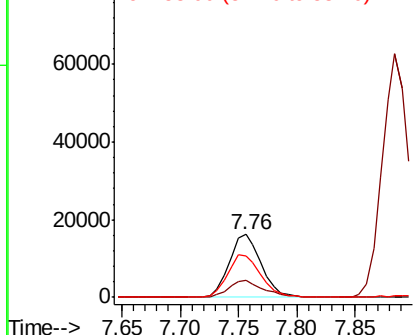
#49
1,4-Dioxane
Concen: 401.16 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion: 88 Resp: 30557
Ion Ratio Lower Upper
88 100
43 29.2 24.7 37.1
58 71.9 55.3 82.9

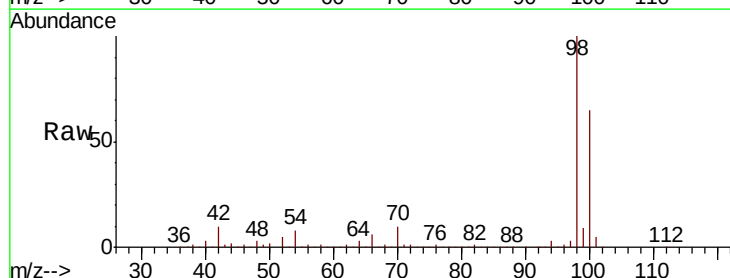


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

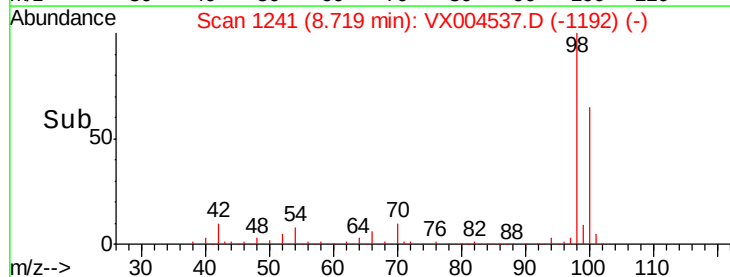
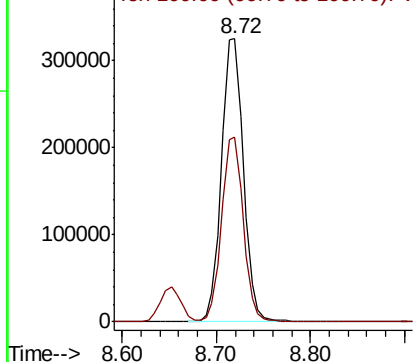


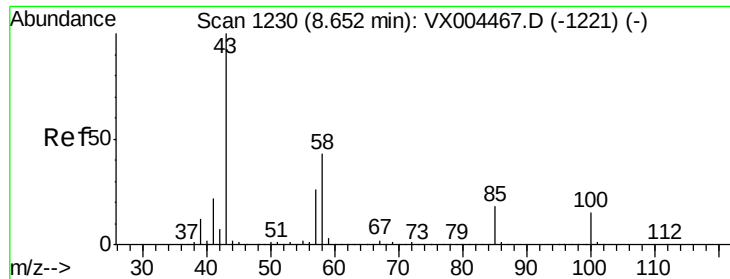
#50
Toluene-d8
Concen: 48.40 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 98 Resp: 526644
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 90.28 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampled :

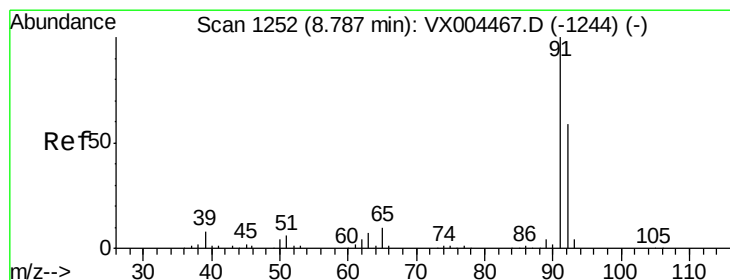
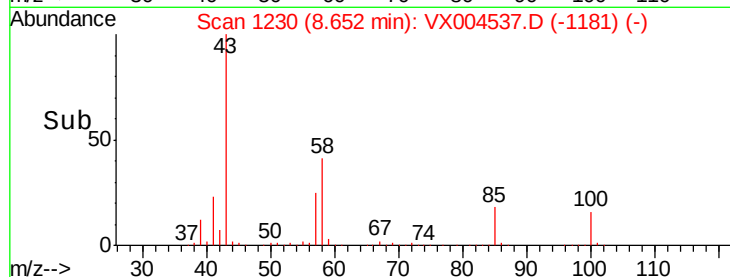
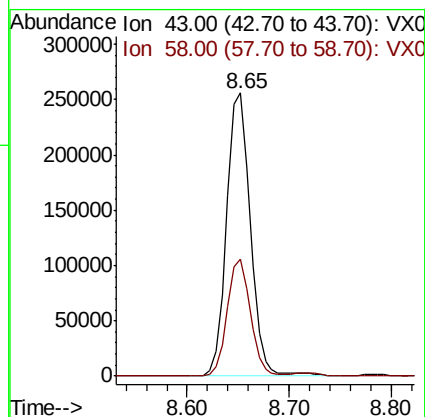
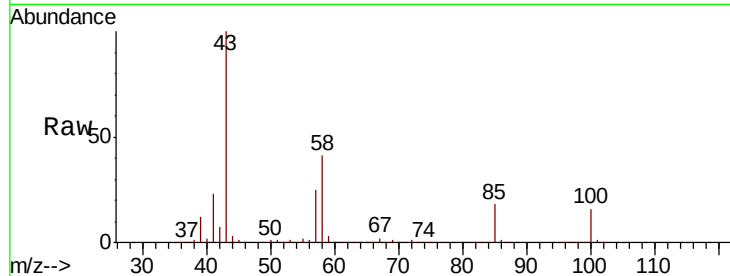
VX0914MBS01

Tot Ion: 43 Resp: 414321

Ion Ratio Lower Upper

43 100

58 40.0 33.1 49.7



#52

Toluene

Concen: 19.85 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004537.D

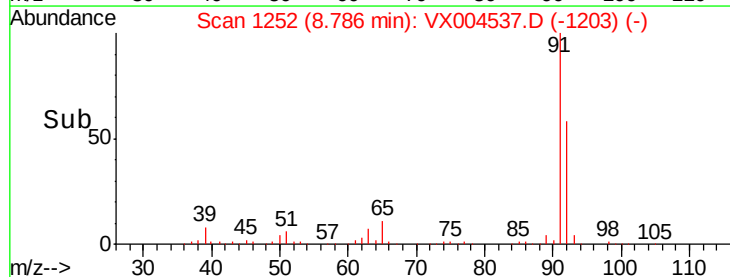
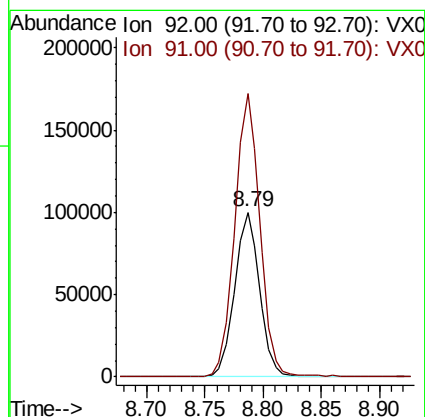
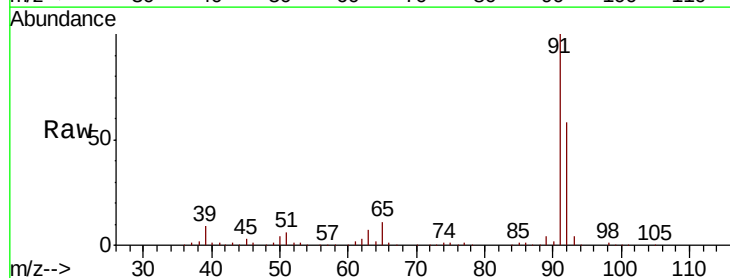
Acq: 14 Sep 2018 14:00

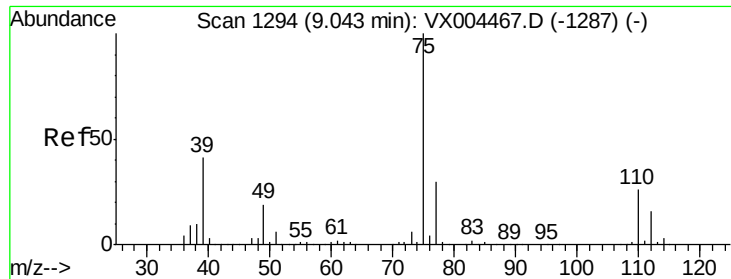
Tgt Ion: 92 Resp: 149407

Ion Ratio Lower Upper

92 100

91 174.3 136.4 204.6

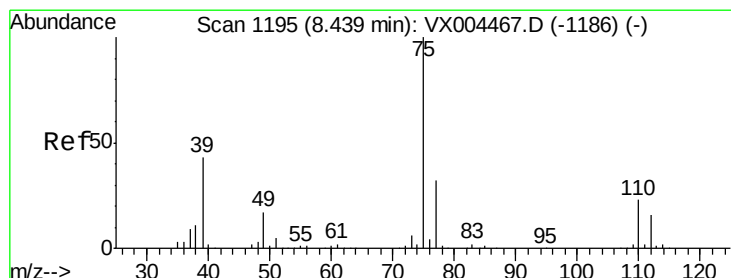
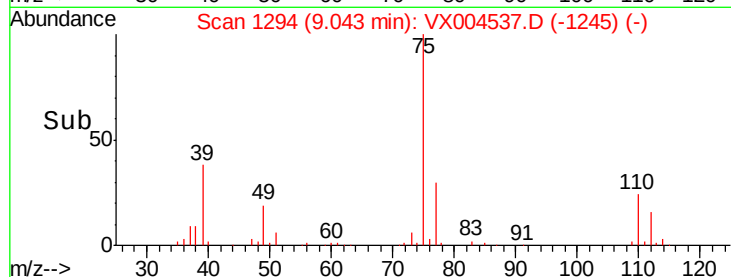
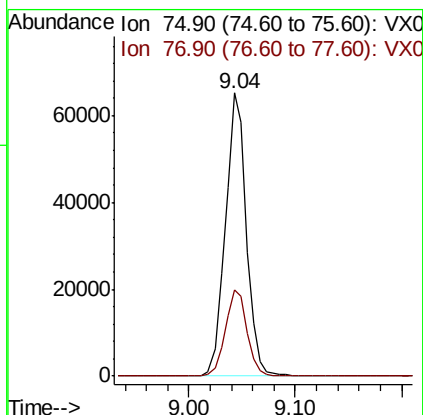
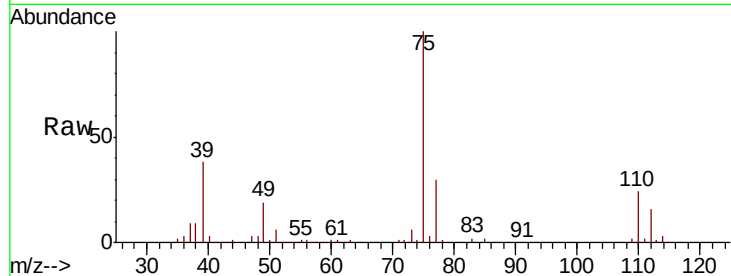




#53
 t-1,3-Dichloropropene
 Concen: 20.98 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

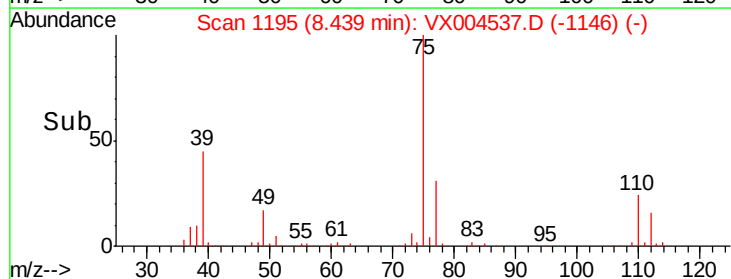
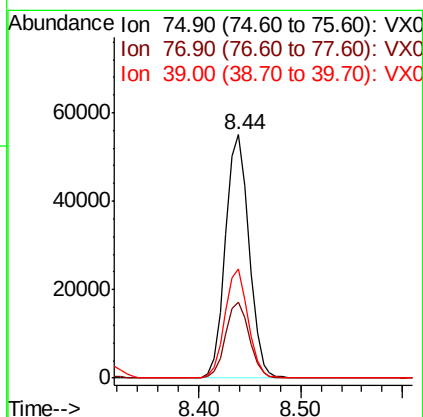
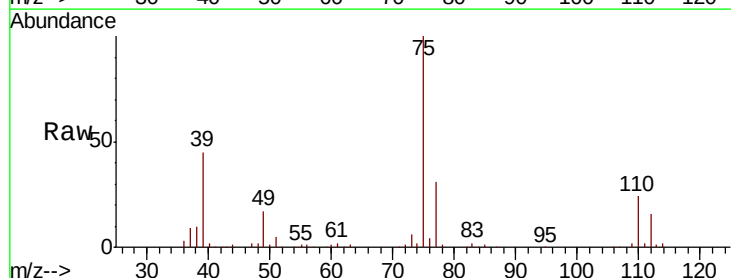
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

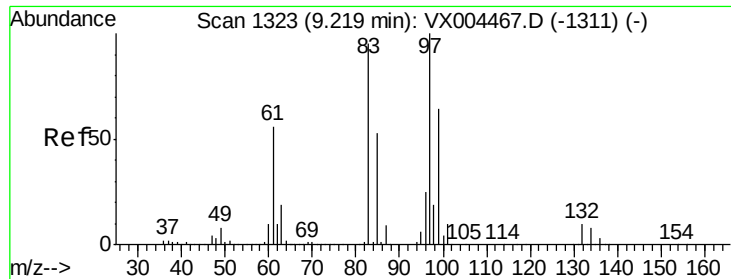
Tot Ion: 75 Resp: 89986
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.15 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion: 75 Resp: 88102
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2
 39 44.8 36.4 54.6

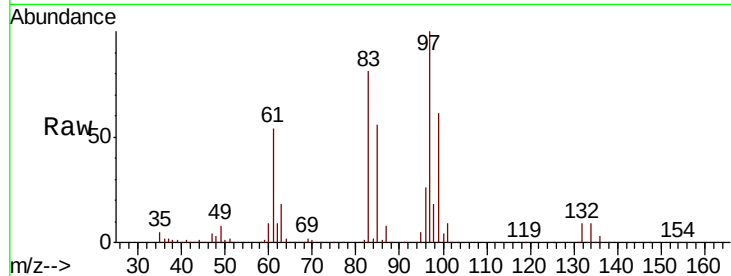




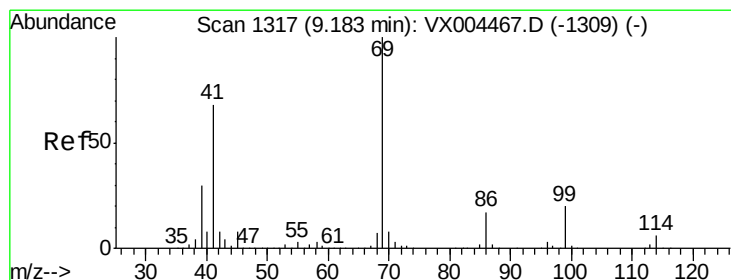
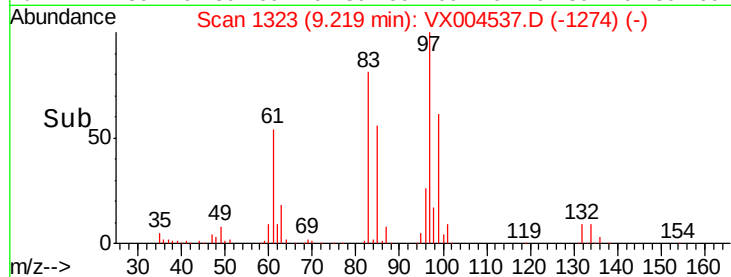
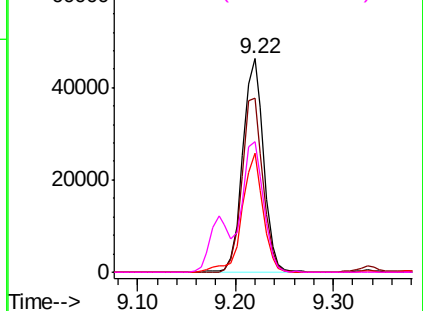
#55
1,1,2-Trichloroethane
Concen: 21.12 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion:	97	Resp:	68420
Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.4	99.6
85	55.6	43.3	64.9
99	61.3	49.0	73.4

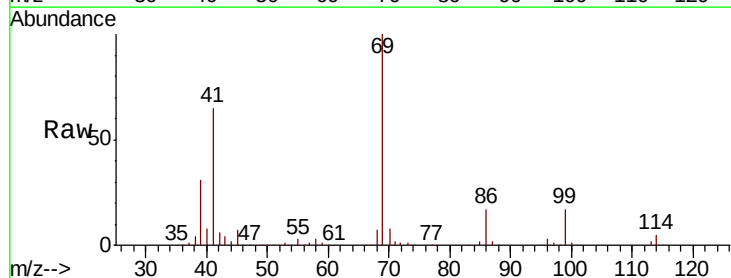


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

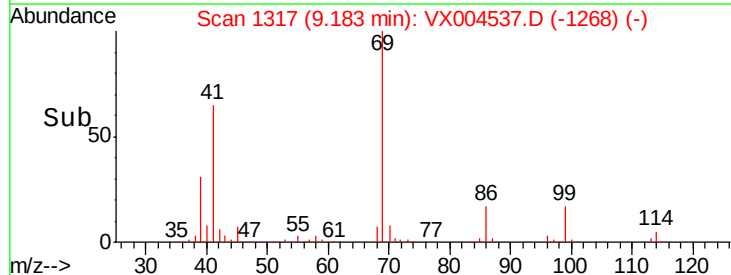
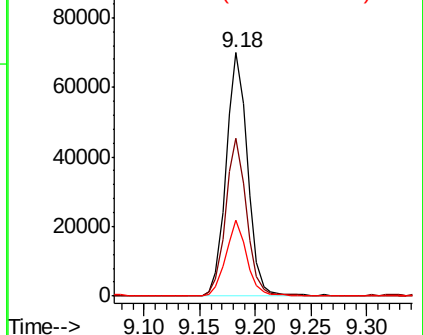


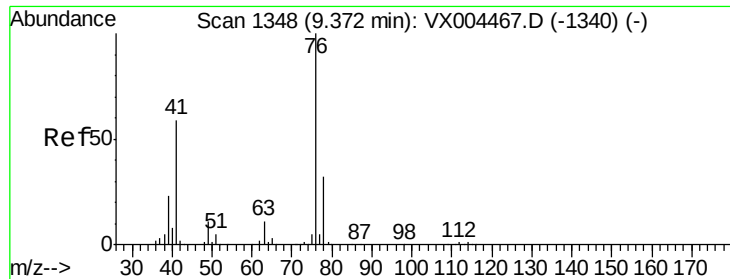
#56
Ethyl methacrylate
Concen: 20.43 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion:	69	Resp:	93627
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.0	76.4
39	30.2	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 21.09 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

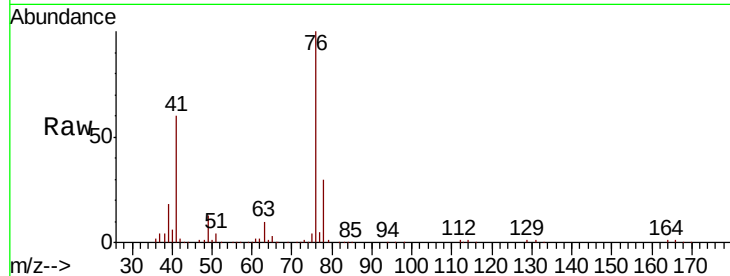
VX0914MBS01

Tot Ion: 76 Resp: 111029

Ion Ratio Lower Upper

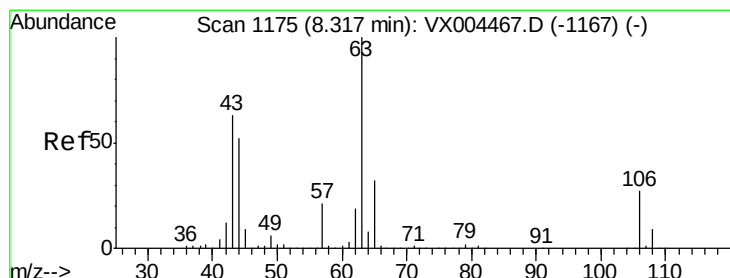
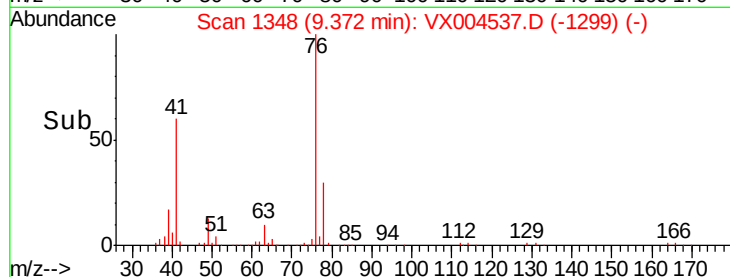
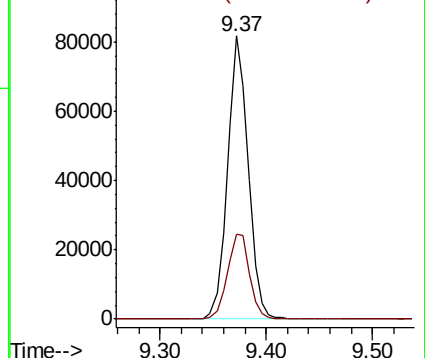
76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.04 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004537.D

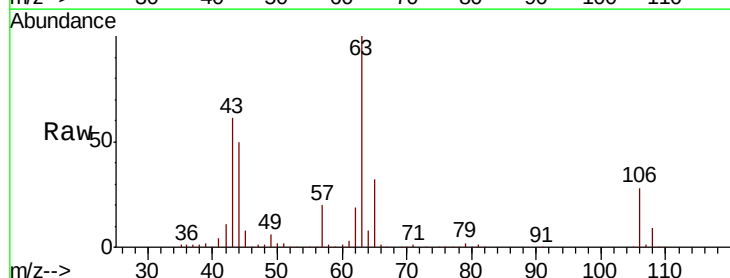
Acq: 14 Sep 2018 14:00

Tgt Ion: 63 Resp: 230354

Ion Ratio Lower Upper

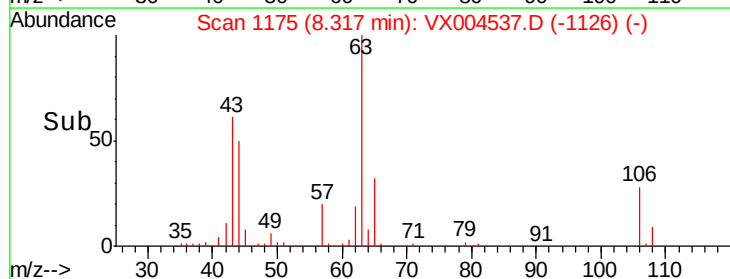
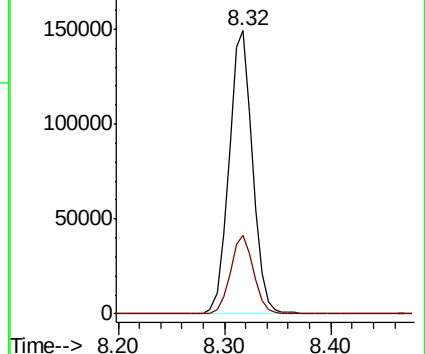
63 100

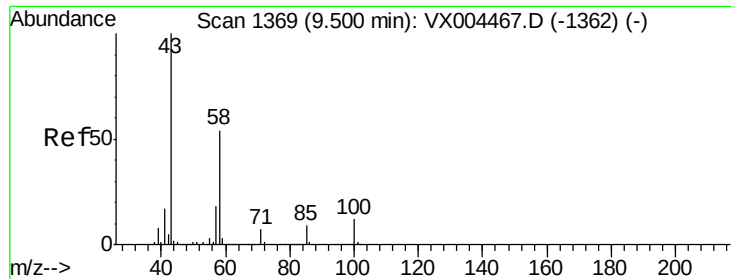
106 27.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

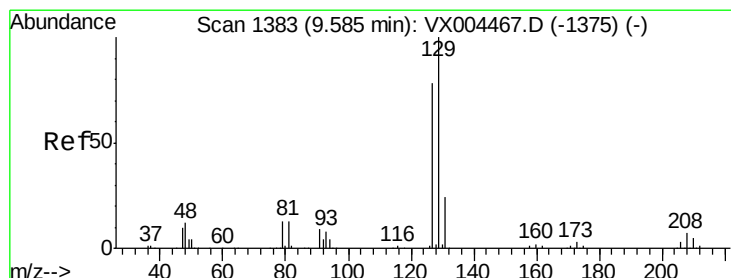
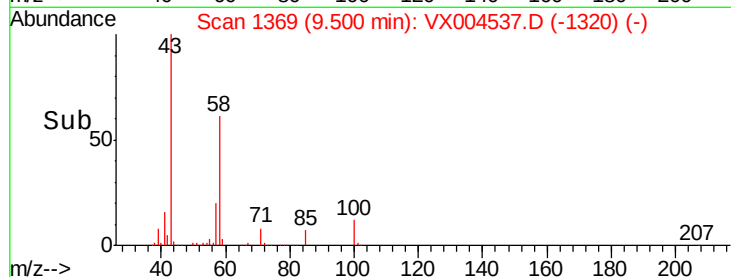
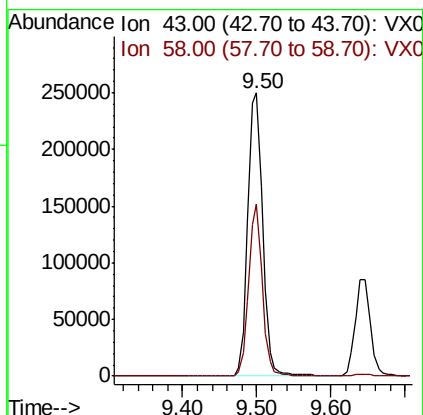
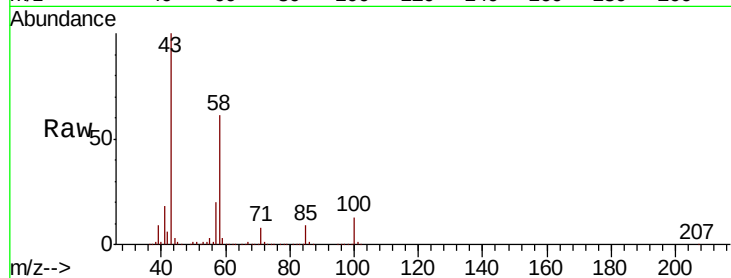




#59
2-Hexanone
Concen: 100.10 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

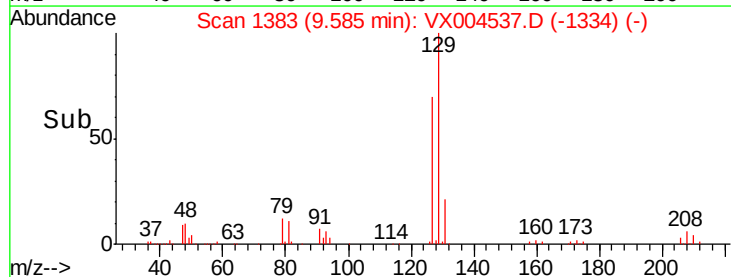
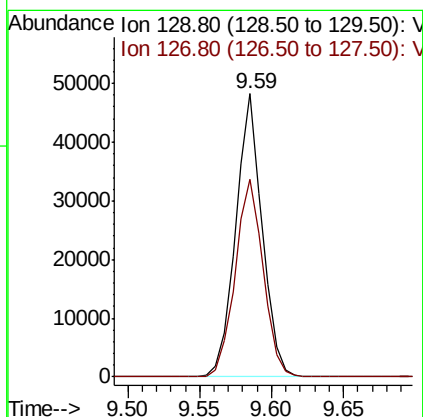
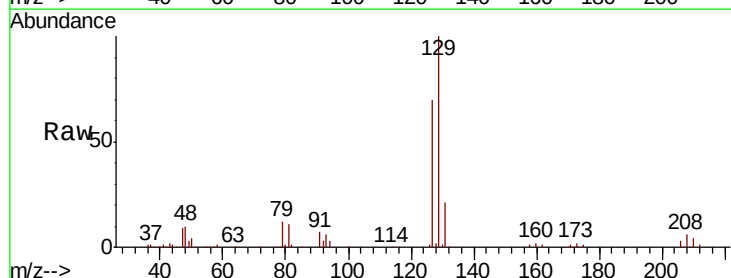
Instrument :
MSVOA_X
ClientSampled :
VX0914MBS01

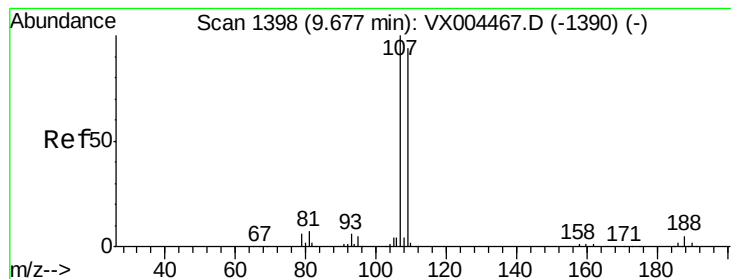
Tot Ion: 43 Resp: 352355
Ion Ratio Lower Upper
43 100
58 55.7 29.0 87.0



#60
Dibromochloromethane
Concen: 20.23 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 129 Resp: 61706
Ion Ratio Lower Upper
129 100
127 73.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.60 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

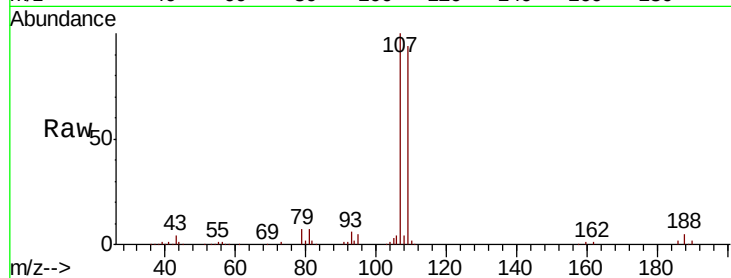
VX0914MBS01

Tot Ion:107 Resp: 60669

Ion Ratio Lower Upper

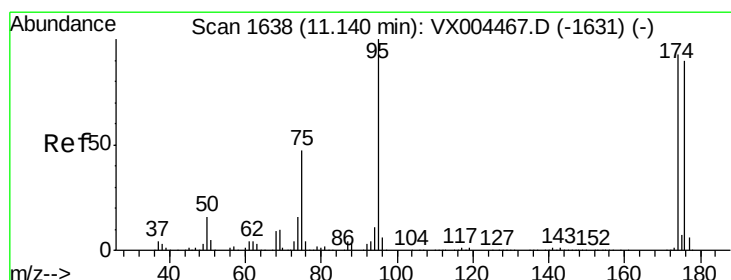
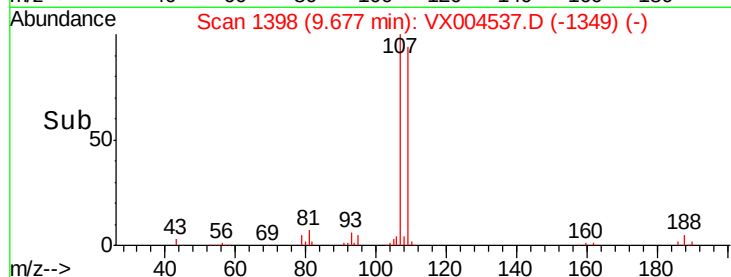
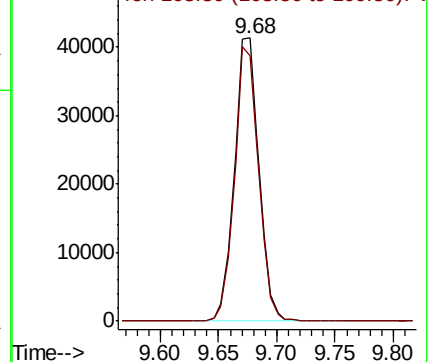
107 100

109 94.9 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.41 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

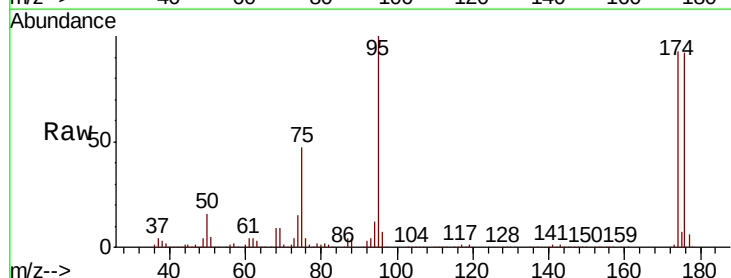
Tgt Ion: 95 Resp: 191929

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.2

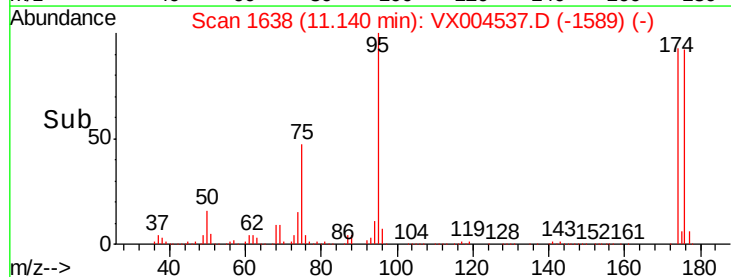
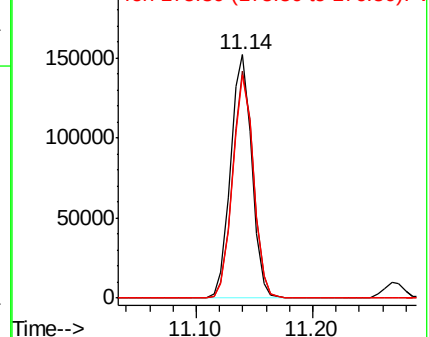
176 90.3 0.0 178.6

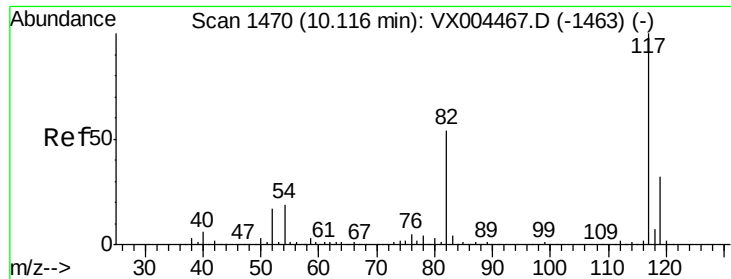


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

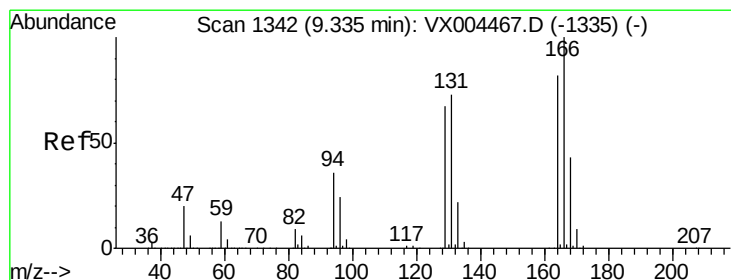
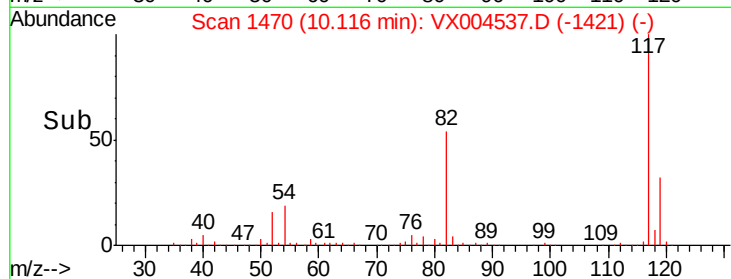
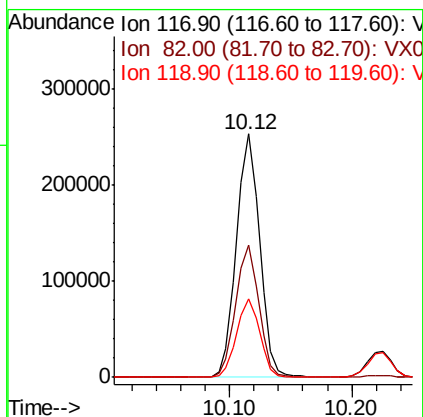
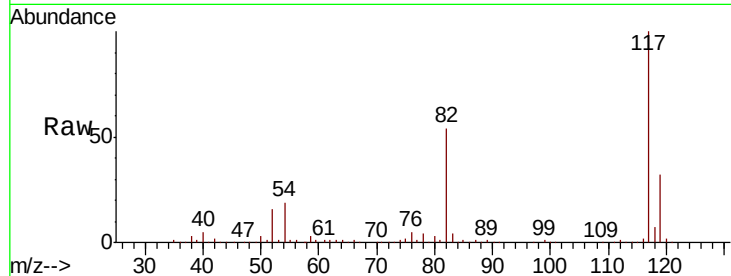




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

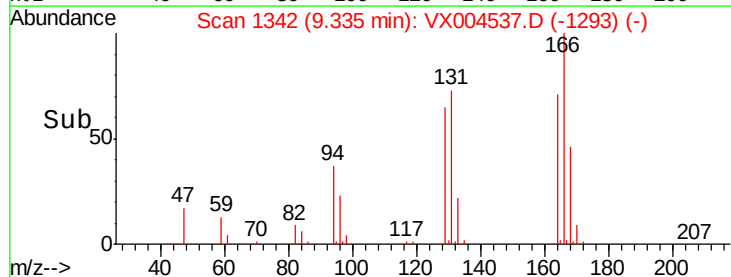
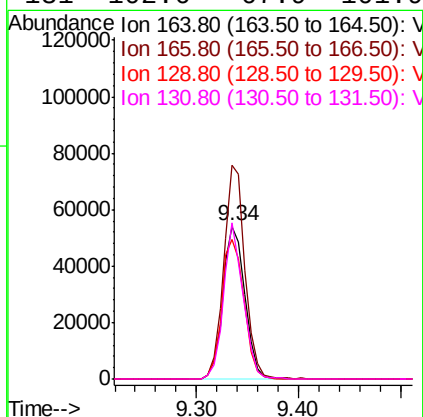
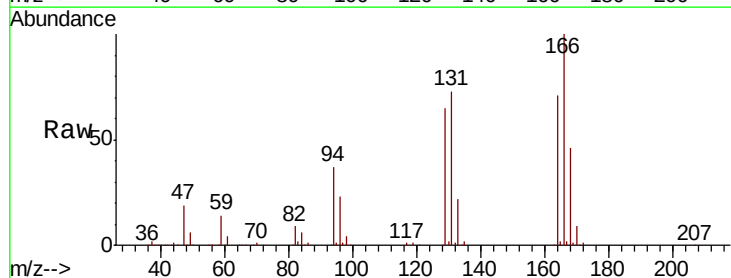
Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

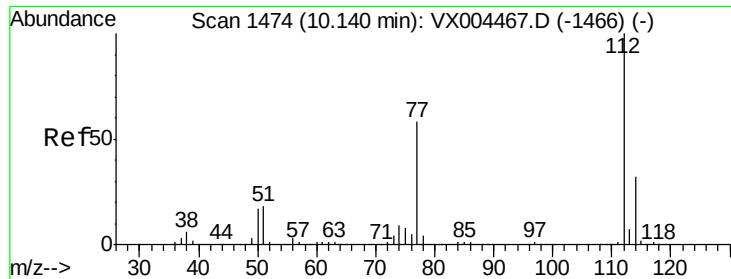
Tot Ion:117 Resp: 332265
Ion Ratio Lower Upper
117 100
82 54.4 47.8 71.6
119 32.1 29.3 43.9



#64
Tetrachloroethene
Concen: 19.42 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion:164 Resp: 80575
Ion Ratio Lower Upper
164 100
166 140.1 102.8 154.2
129 91.7 69.4 104.0
131 102.6 67.9 101.9#





#65

Chlorobenzene

Concen: 19.70 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampled :

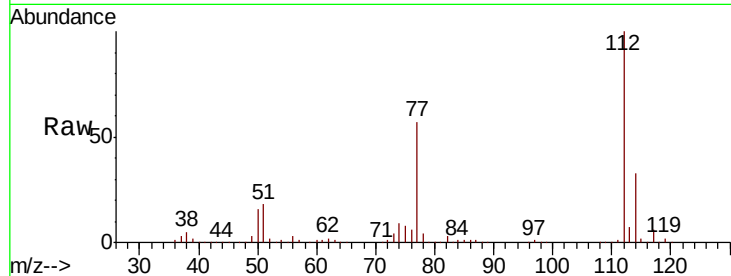
VX0914MBS01

Tot Ion:112 Resp: 162617

Ion Ratio Lower Upper

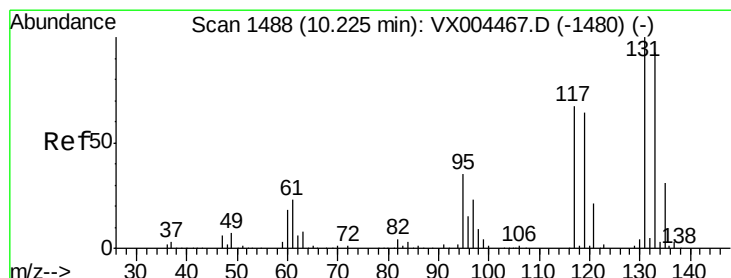
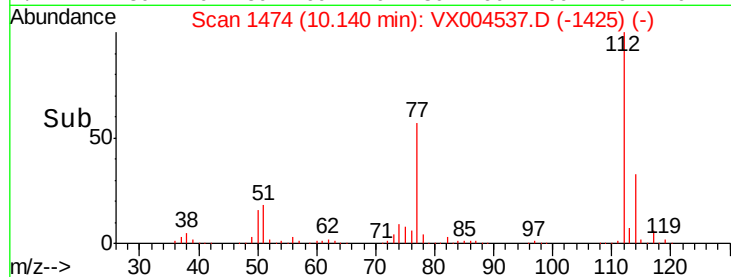
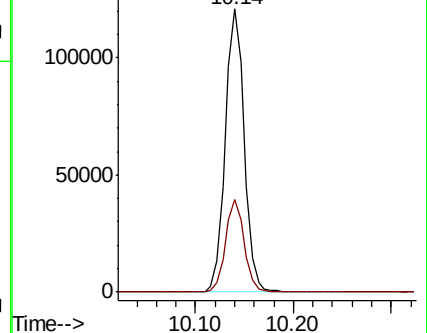
112 100

114 32.7 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.48 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

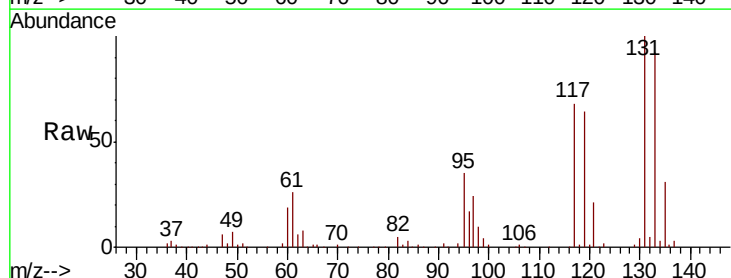
Tgt Ion:131 Resp: 55445

Ion Ratio Lower Upper

131 100

133 94.7 48.1 144.4

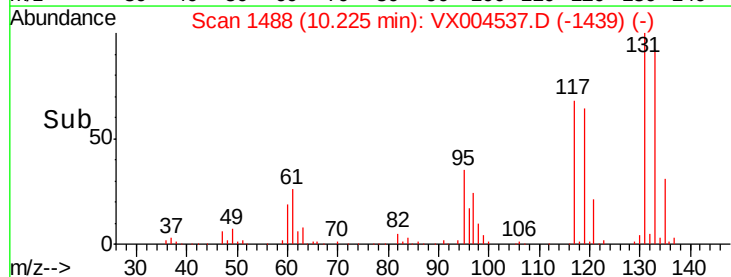
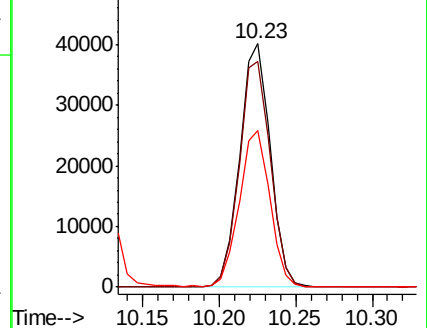
119 64.9 32.9 98.6

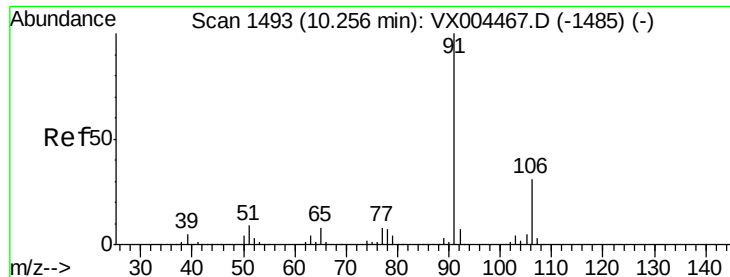


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.60 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

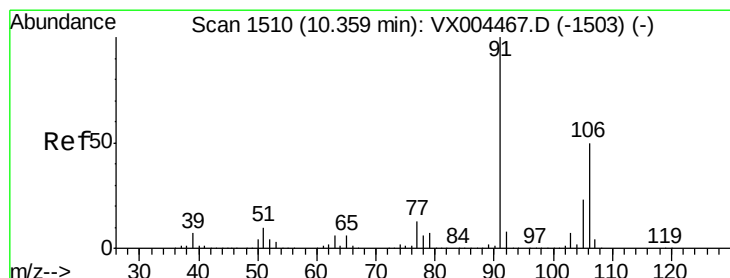
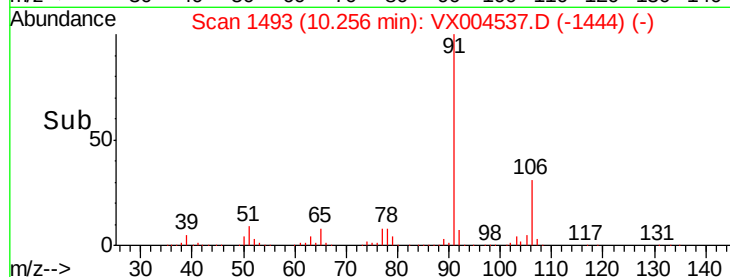
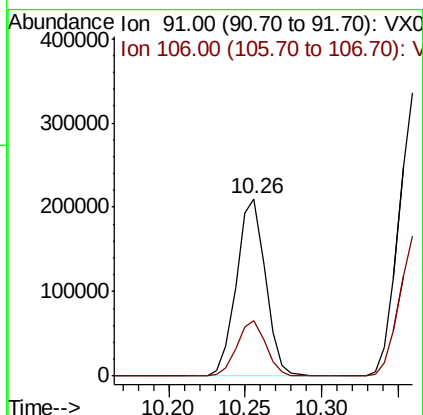
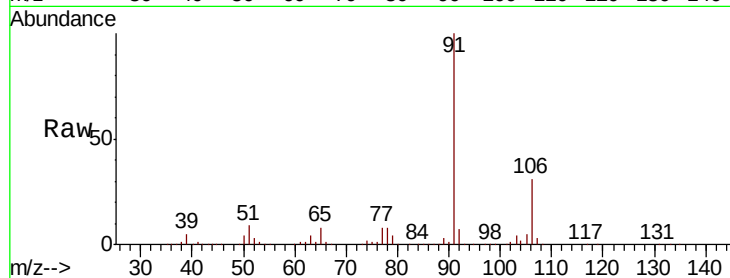
VX0914MBS01

Tot Ion: 91 Resp: 276431

Ion Ratio Lower Upper

91 100

106 31.3 25.9 38.9



#68

m/p-Xylenes

Concen: 42.62 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004537.D

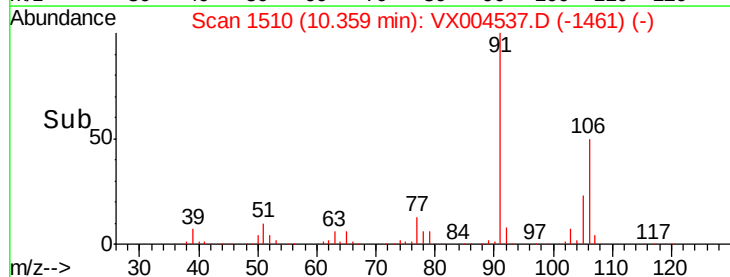
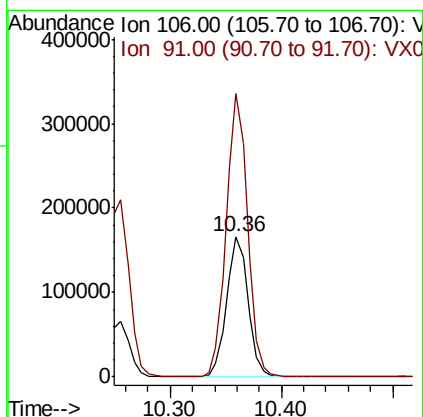
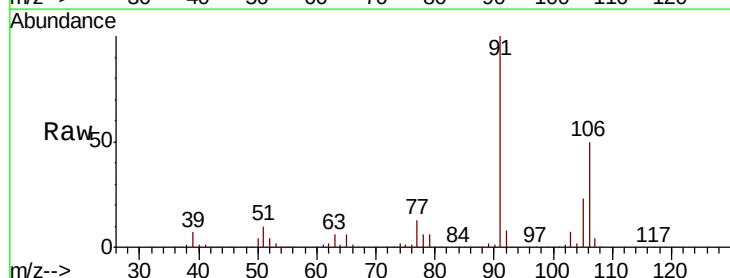
Acq: 14 Sep 2018 14:00

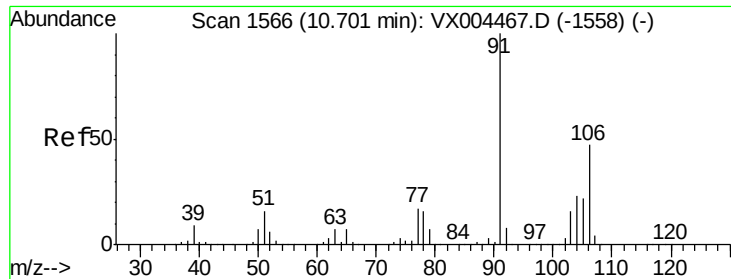
Tgt Ion:106 Resp: 220310

Ion Ratio Lower Upper

106 100

91 202.0 157.1 235.7

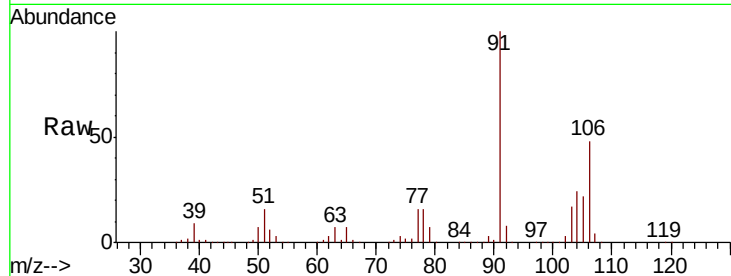




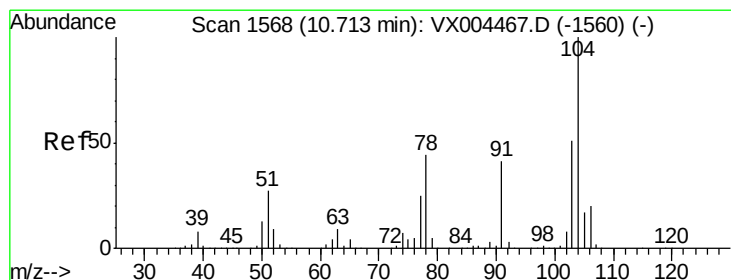
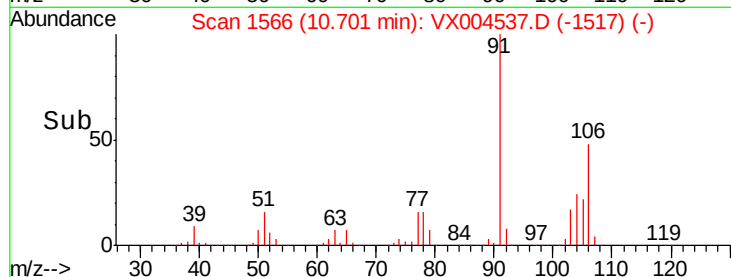
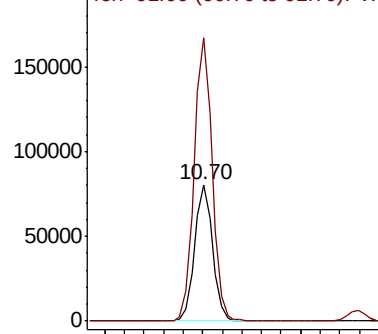
#69
o-Xylene
Concen: 20.52 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion:106 Resp: 101963
Ion Ratio Lower Upper
106 100
91 209.8 105.1 315.1

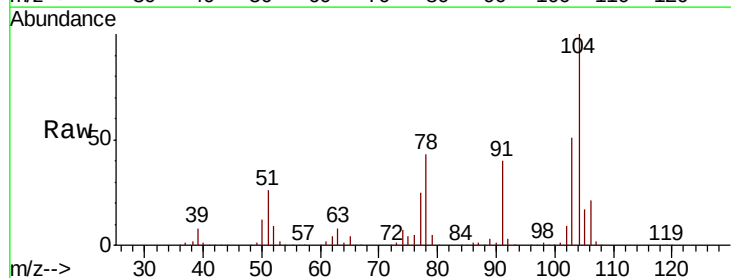


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

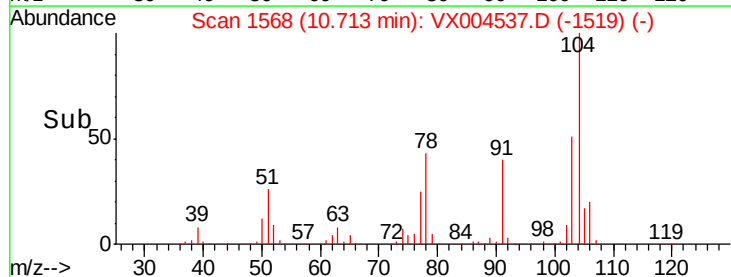
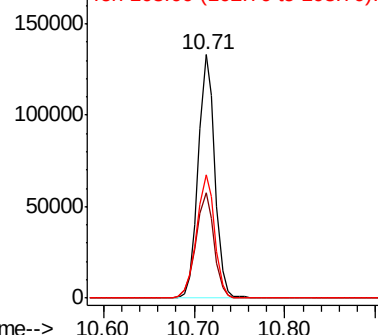


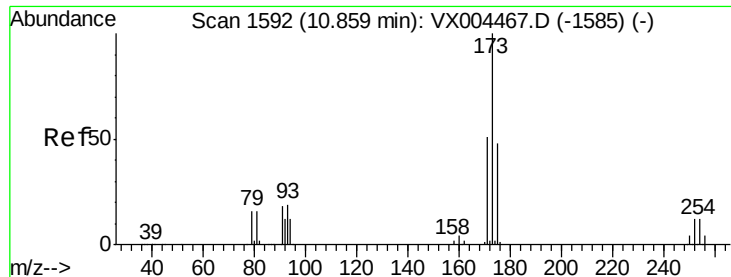
#70
Styrene
Concen: 20.67 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion:104 Resp: 170151
Ion Ratio Lower Upper
104 100
78 47.6 37.4 56.0
103 55.1 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.47 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

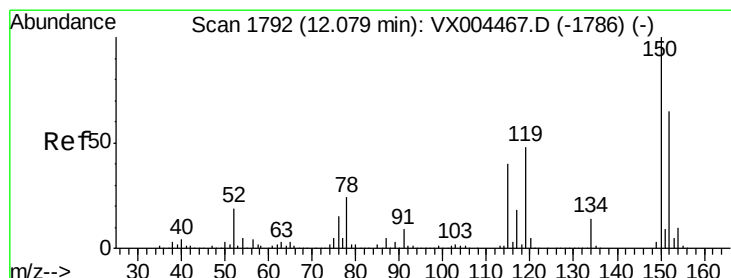
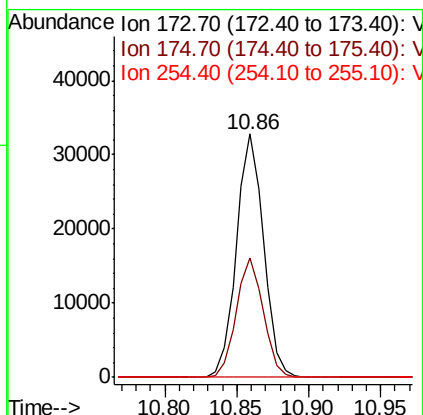
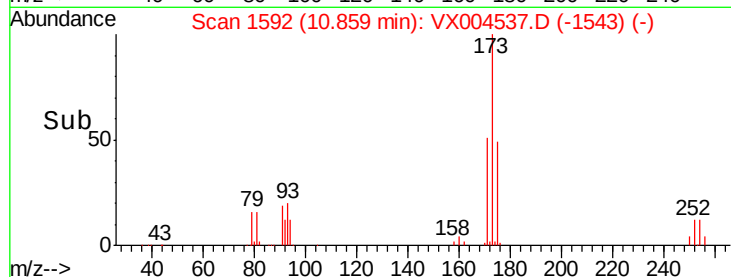
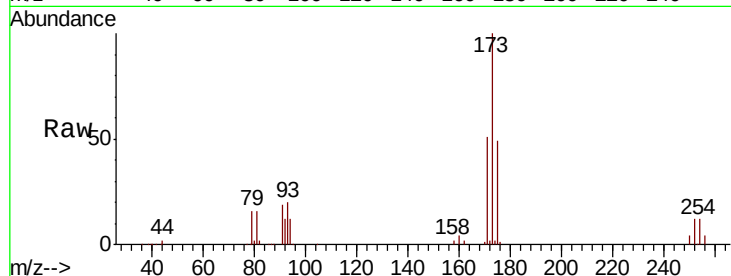
Tot Ion:173 Resp: 43153

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

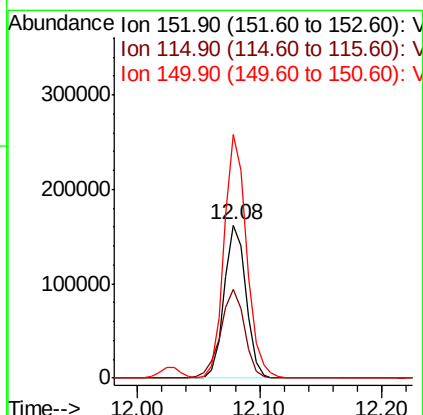
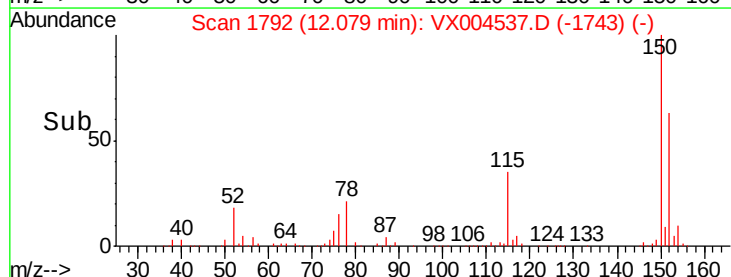
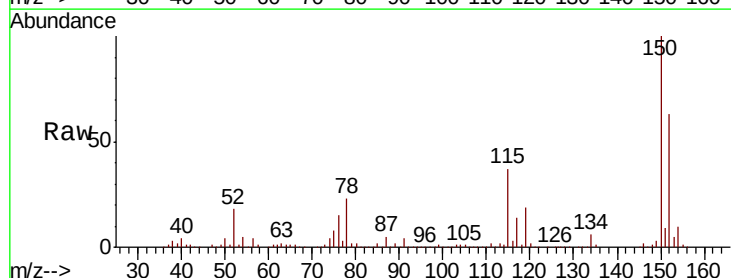
Tgt Ion:152 Resp: 199362

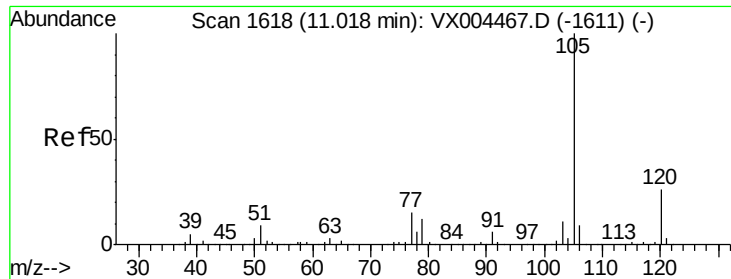
Ion Ratio Lower Upper

152 100

115 63.9 39.0 117.0

150 164.2 0.0 351.0





#73

Isopropylbenzene

Concen: 21.06 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

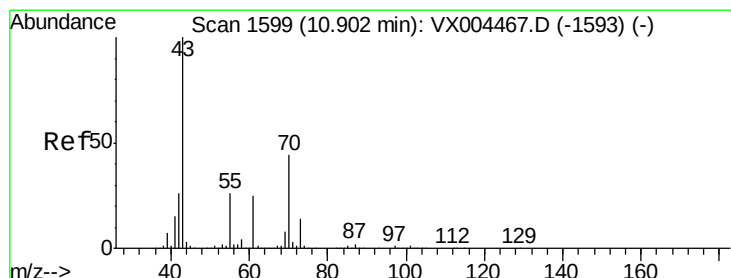
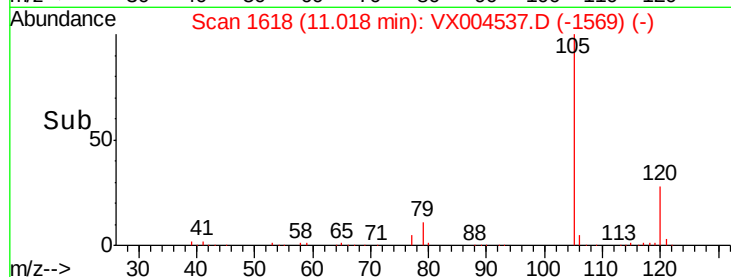
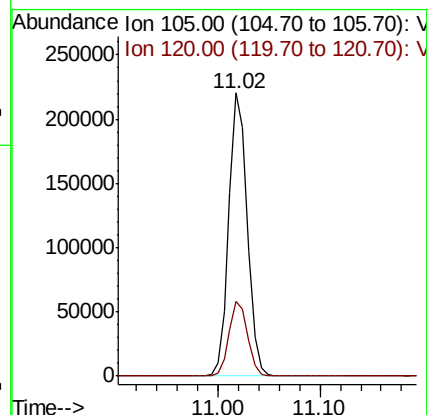
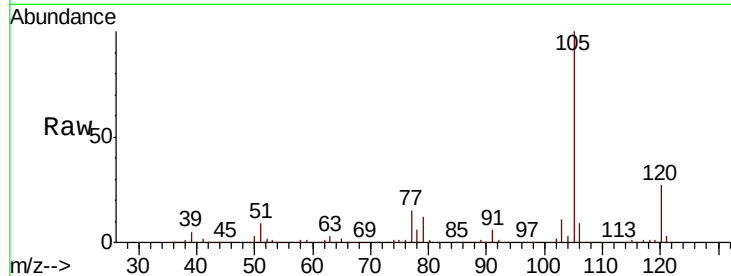
VX0914MBS01

Tot Ion:105 Resp: 276524

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 19.52 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Tgt Ion: 43 Resp: 107891

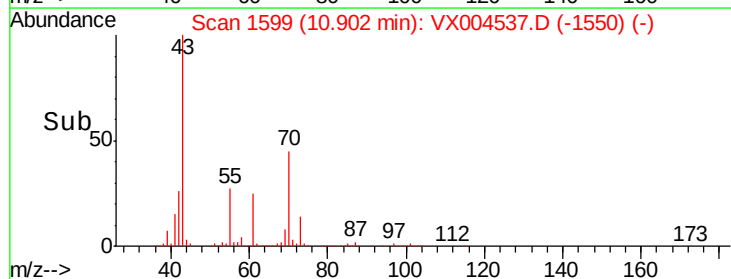
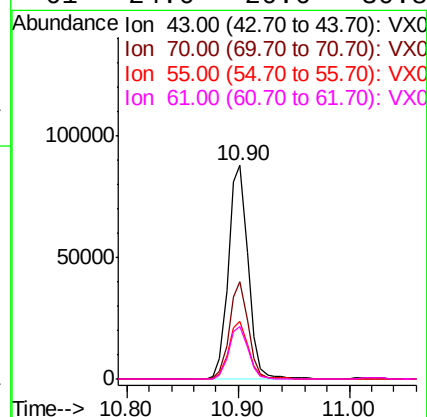
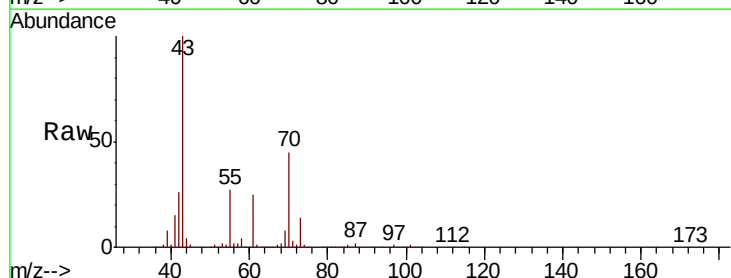
Ion Ratio Lower Upper

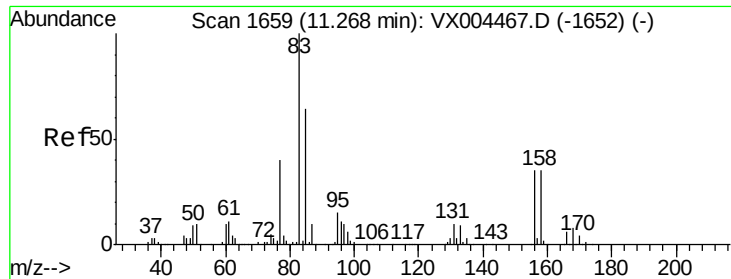
43 100

70 43.8 37.4 56.0

55 27.3 21.8 32.8

61 24.6 20.6 30.8

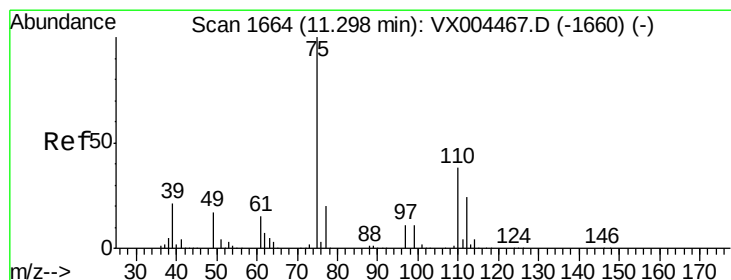
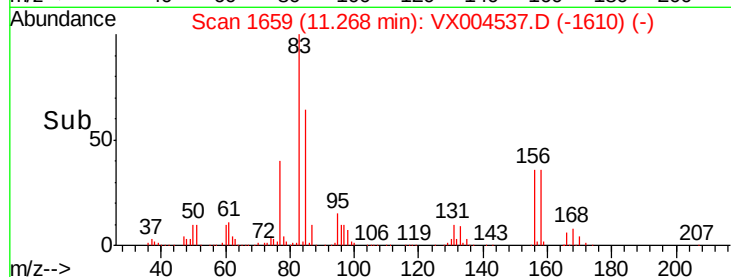
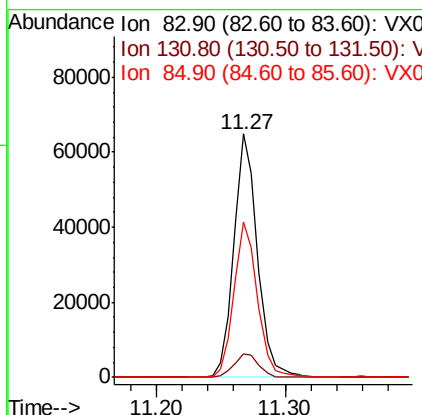
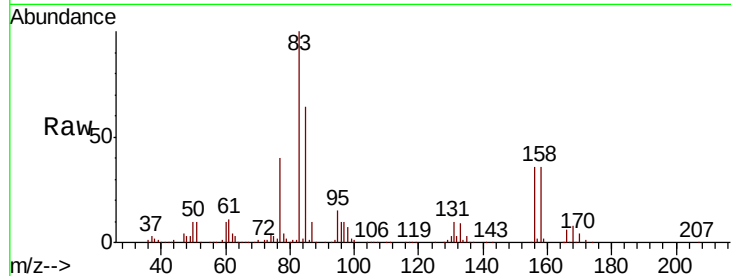




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.58 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

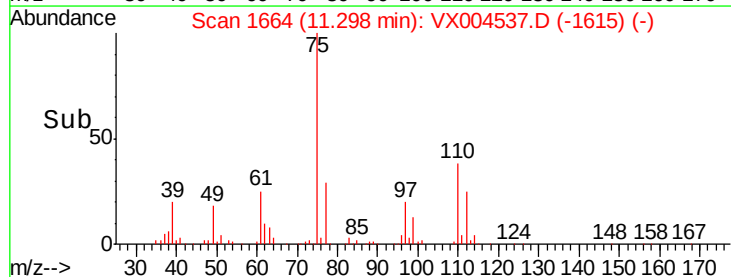
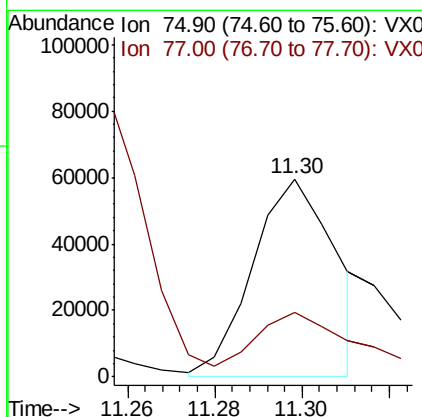
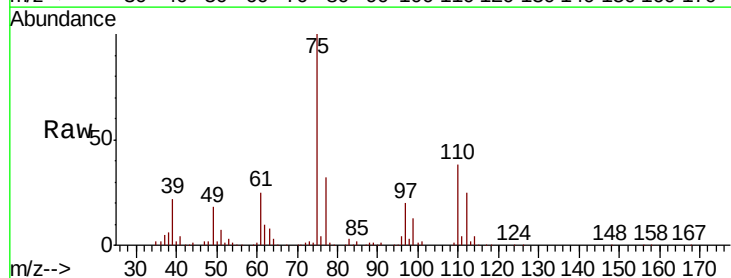
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

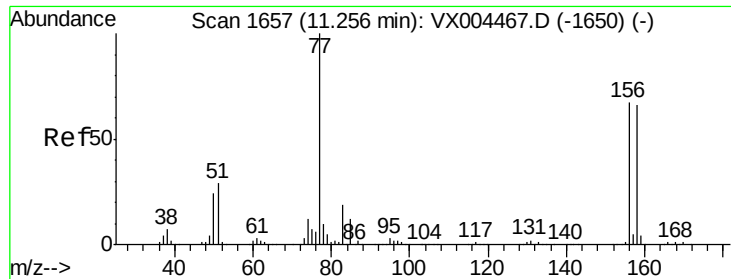
Tot Ion: 83 Resp: 82936
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.2 15.6
 85 64.0 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 19.50 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion: 75 Resp: 78231
 Ion Ratio Lower Upper
 75 100
 77 40.3 20.2 60.6





#77

Bromobenzene

Concen: 20.21 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

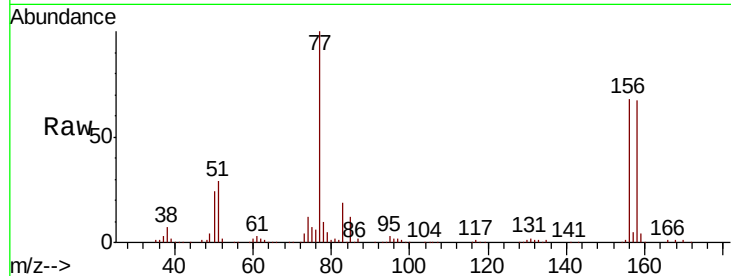
Tot Ion:156 Resp: 73343

Ion Ratio Lower Upper

156 100

77 146.6 71.5 214.3

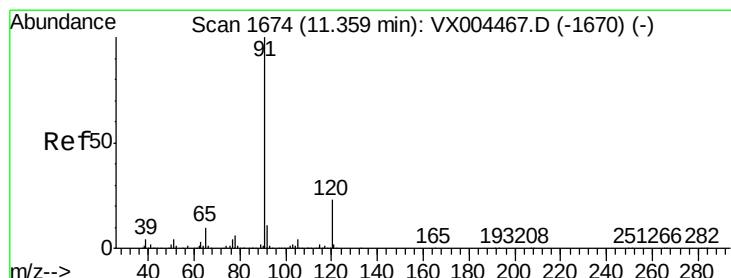
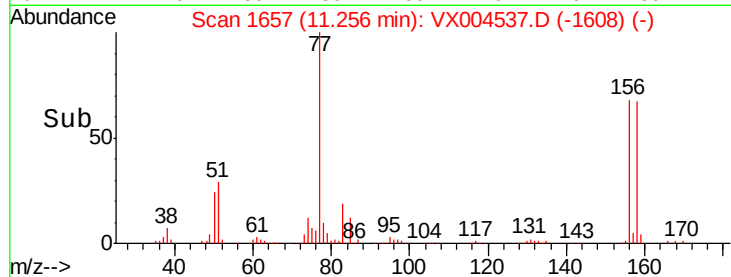
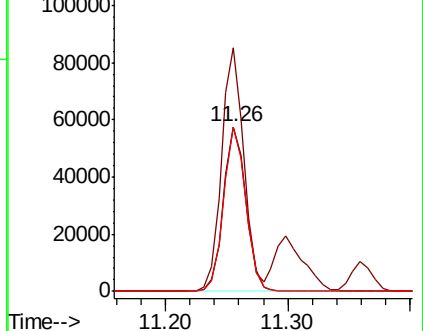
158 98.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.02 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004537.D

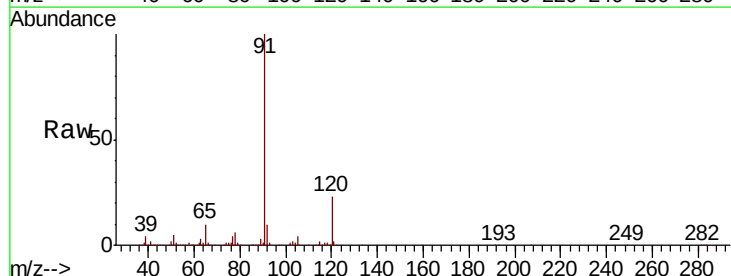
Acq: 14 Sep 2018 14:00

Tgt Ion: 91 Resp: 317298

Ion Ratio Lower Upper

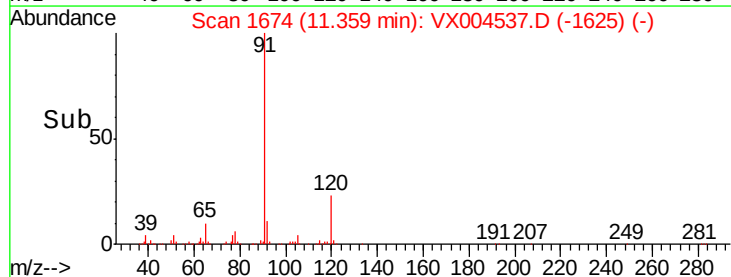
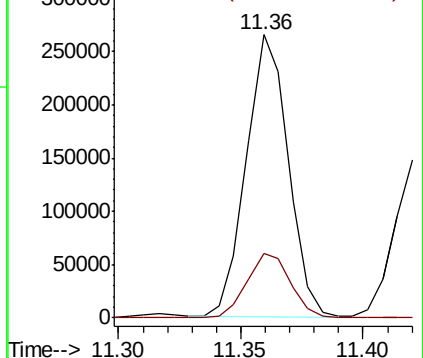
91 100

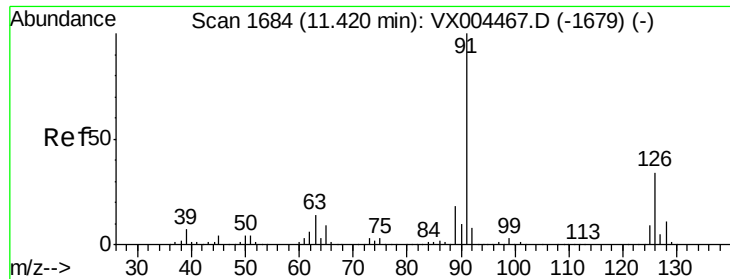
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

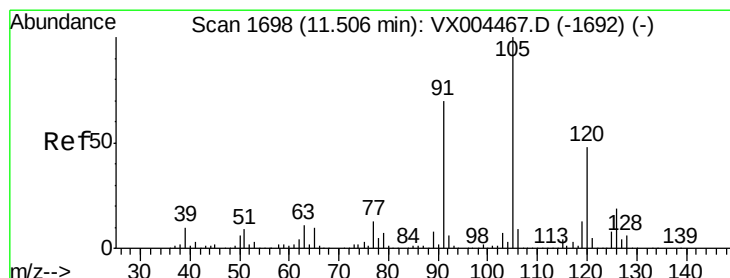
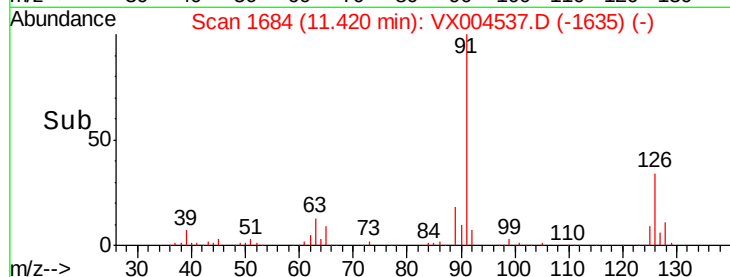
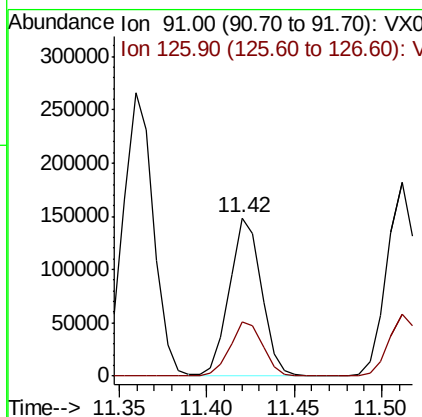
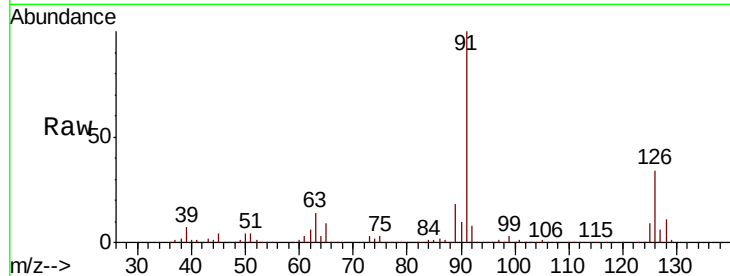




#79
 2-Chlorotoluene
 Concen: 20.45 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

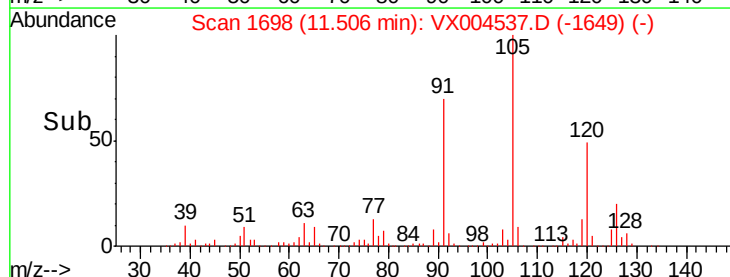
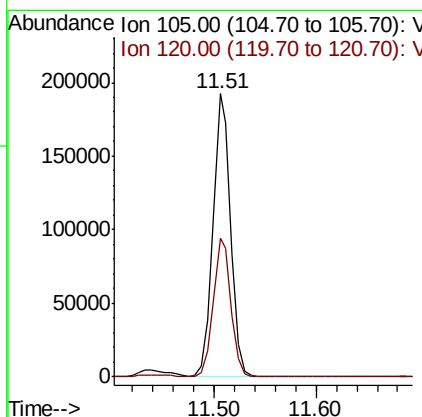
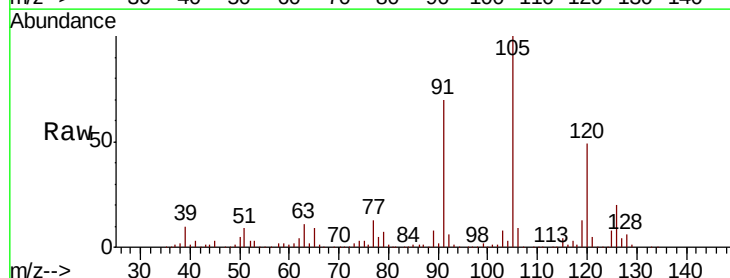
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

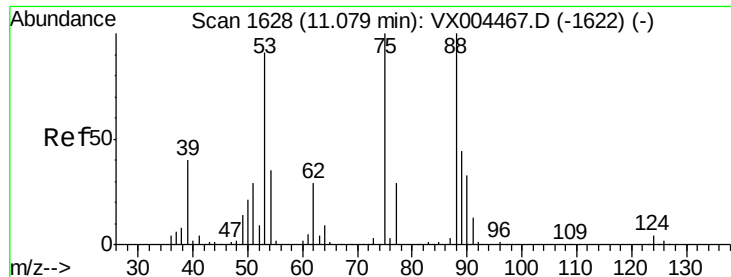
Tot Ion: 91 Resp: 187222
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.22 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion: 105 Resp: 234248
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.93 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

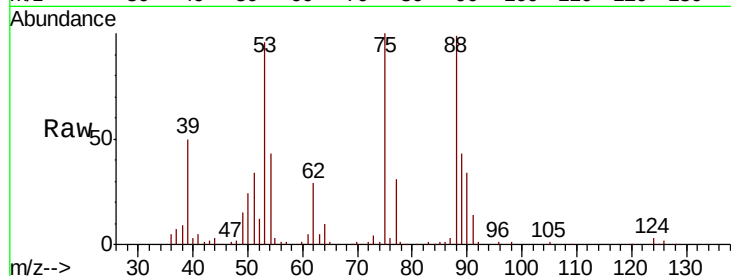
Tot Ion: 75 Resp: 22560

Ion Ratio Lower Upper

75 100

53 101.6 80.1 120.1

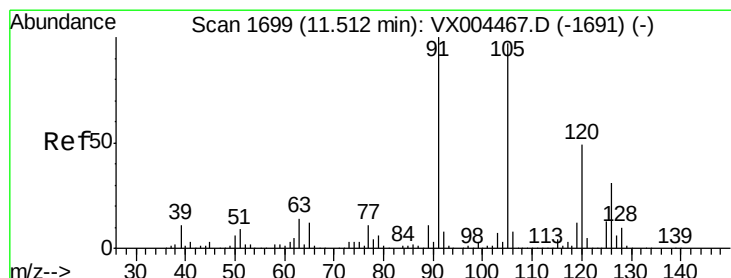
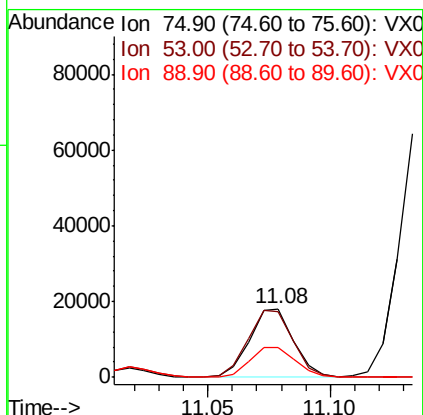
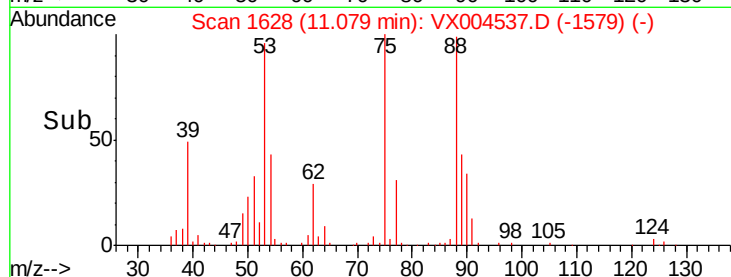
89 45.8 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.48 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004537.D

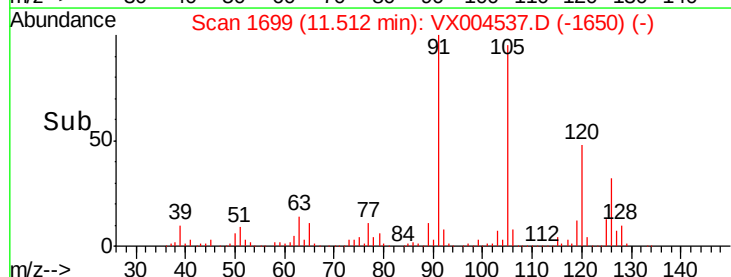
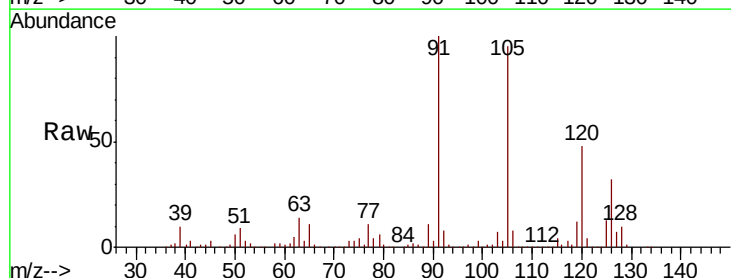
Acq: 14 Sep 2018 14:00

Tgt Ion: 91 Resp: 218857

Ion Ratio Lower Upper

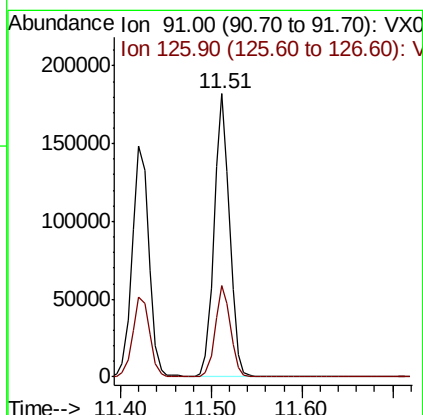
91 100

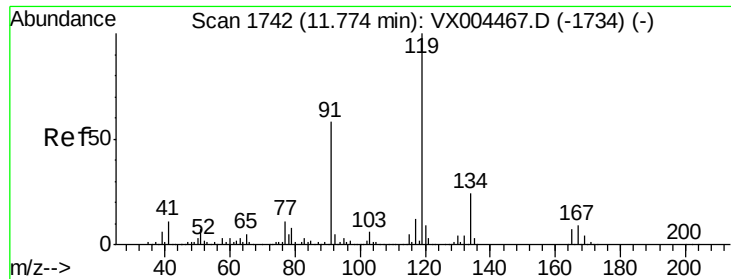
126 31.7 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

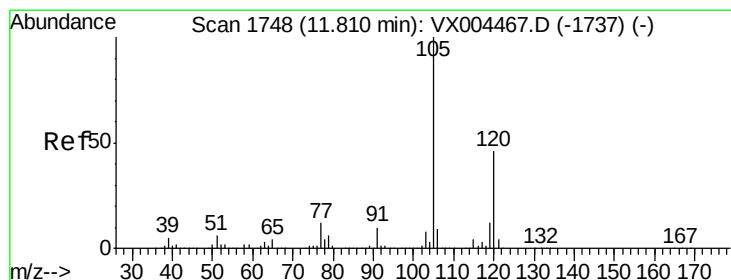
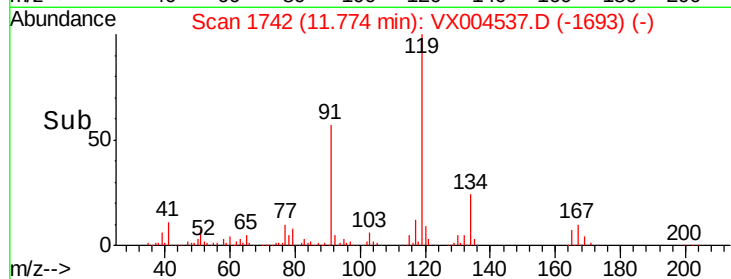
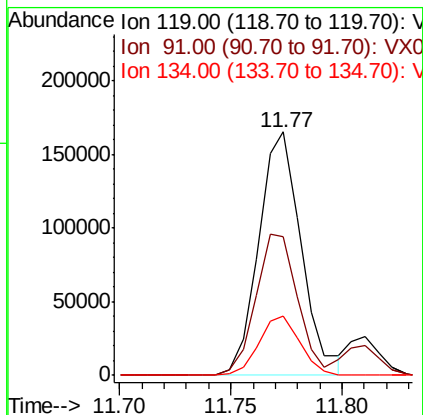
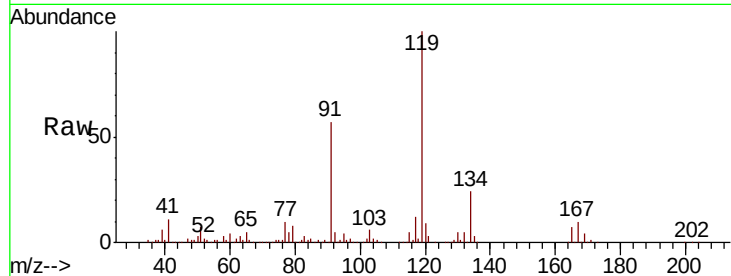




#83
 tert-Butylbenzene
 Concen: 20.93 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

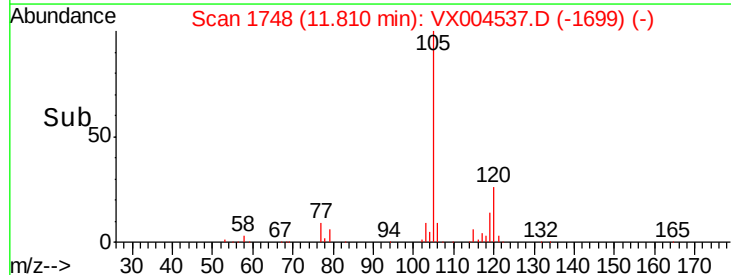
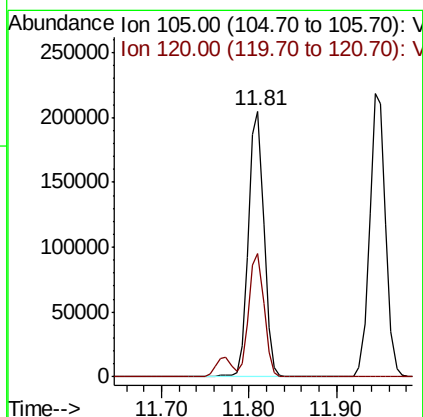
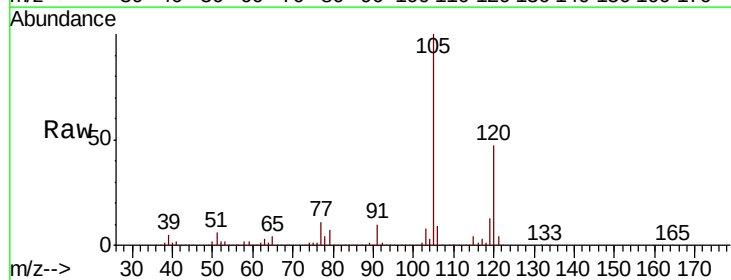
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

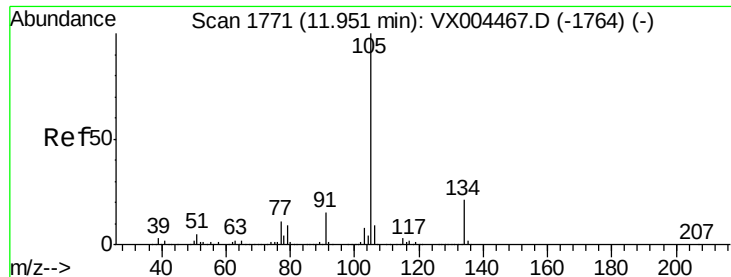
Tot Ion:119 Resp: 219926
 Ion Ratio Lower Upper
 119 100
 91 56.9 27.0 81.0
 134 23.4 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.21 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion:105 Resp: 250237
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.90 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

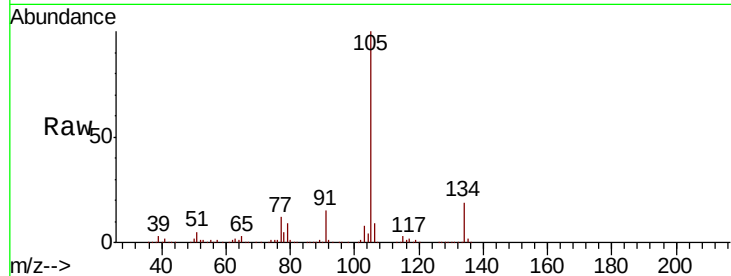
VX0914MBS01

Tot Ion:105 Resp: 279809

Ion Ratio Lower Upper

105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

150000

100000

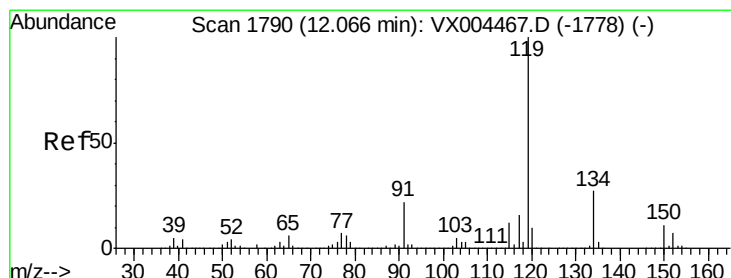
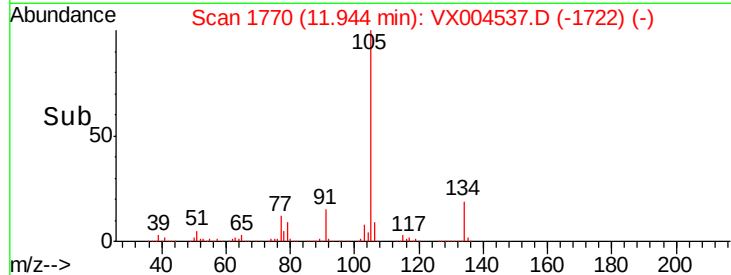
50000

0

Time-->

11.90

12.00



#86

p-Isopropyltoluene

Concen: 21.21 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

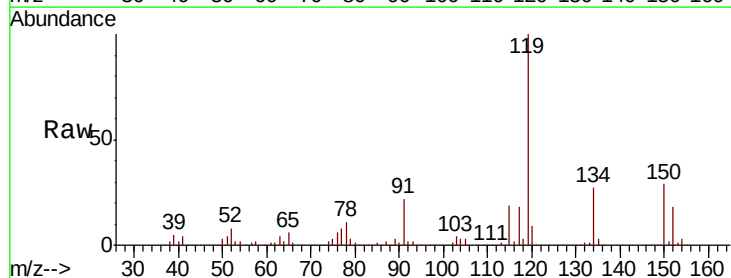
Tgt Ion:119 Resp: 250758

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

150000

100000

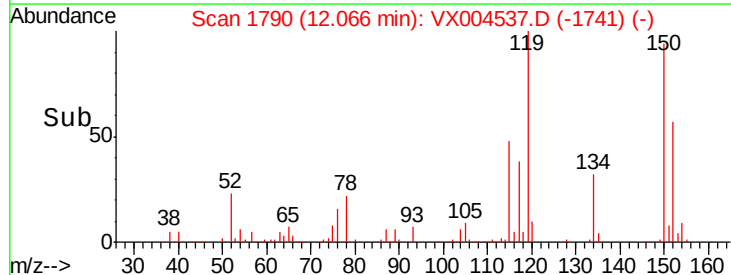
50000

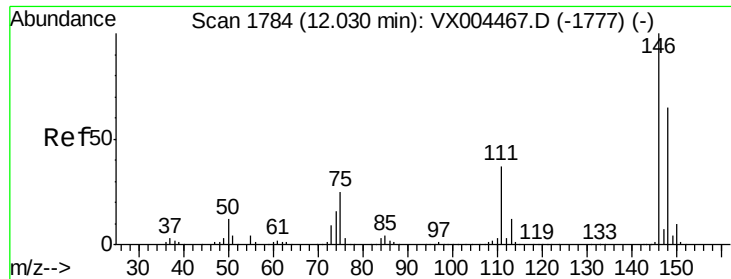
0

Time-->

12.00

12.10

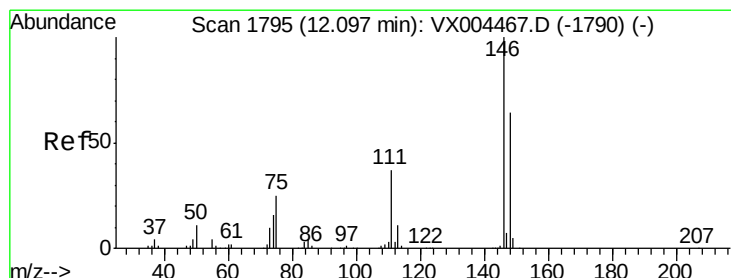
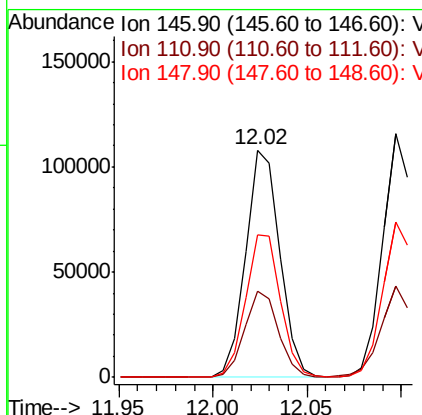
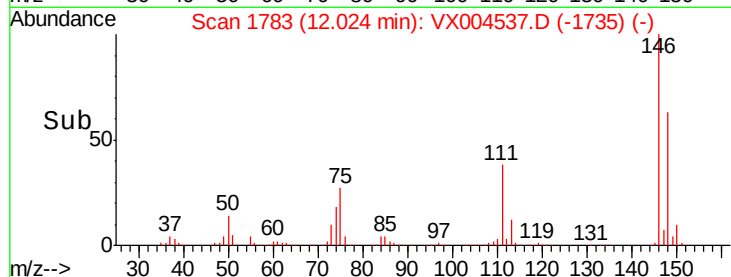
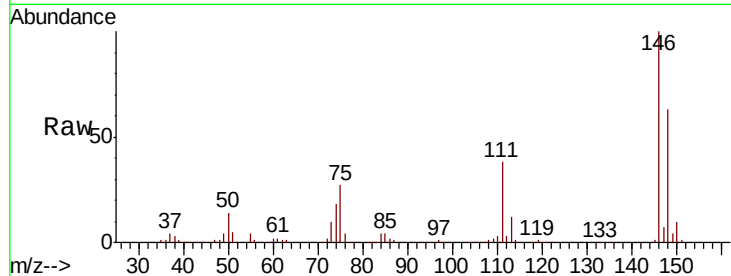




#87
 1,3-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

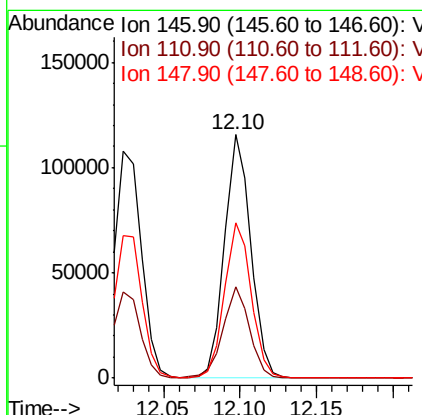
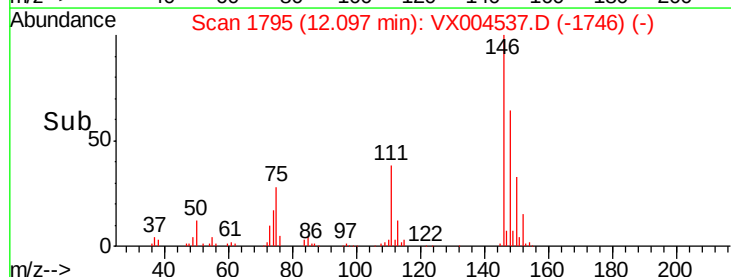
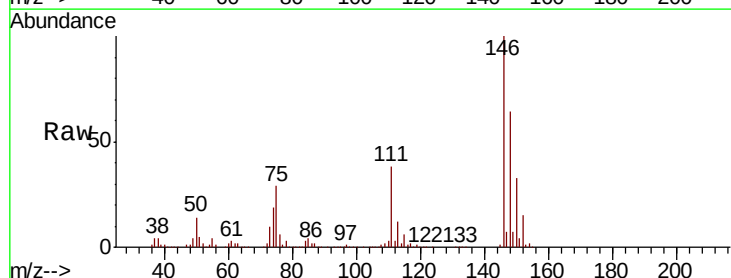
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

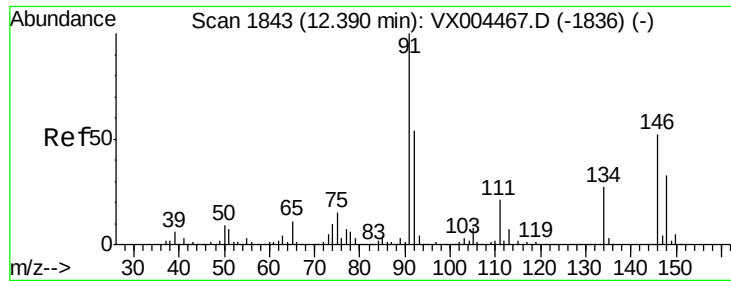
Tot Ion:146 Resp: 135889
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion:146 Resp: 137805
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.1 54.1
 148 64.5 32.0 96.0

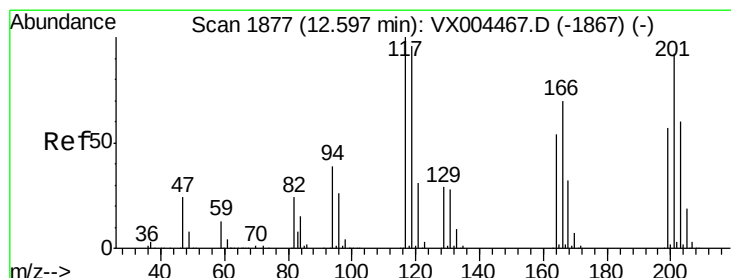
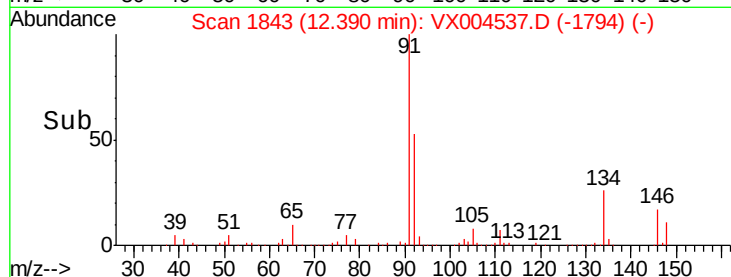
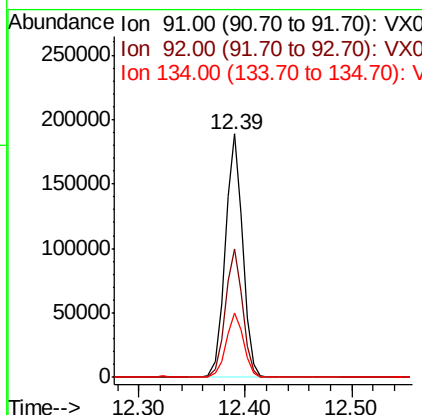
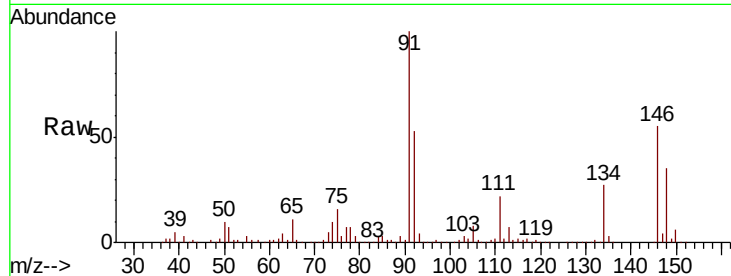




#89
n-Butylbenzene
Concen: 19.93 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

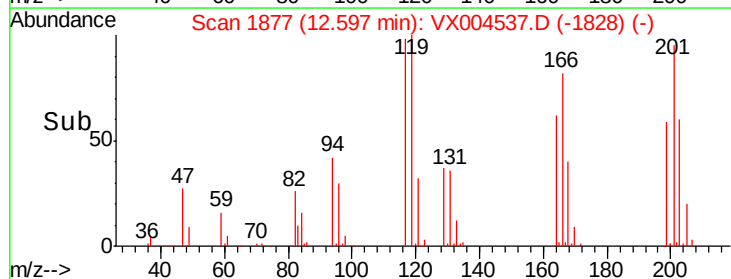
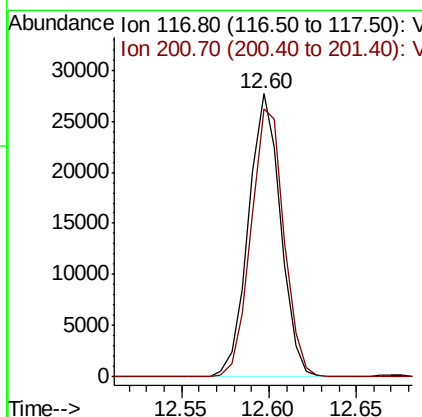
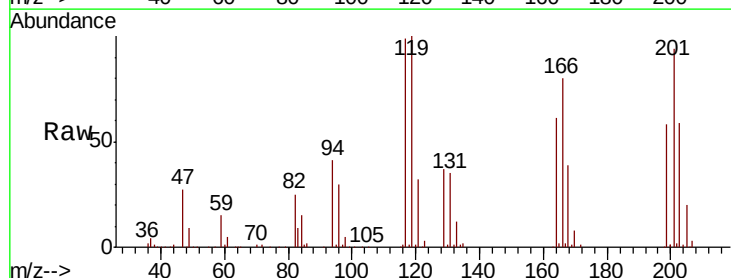
Instrument :
MSVOA_X
ClientSampled :
VX0914MBS01

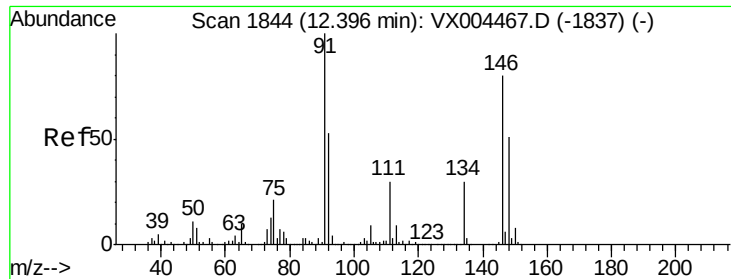
Tot Ion: 91 Resp: 214715
Ion Ratio Lower Upper
91 100
92 52.3 27.3 81.9
134 26.9 13.6 40.7



#90
Hexachloroethane
Concen: 18.64 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 117 Resp: 35288
Ion Ratio Lower Upper
117 100
201 97.1 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 19.93 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

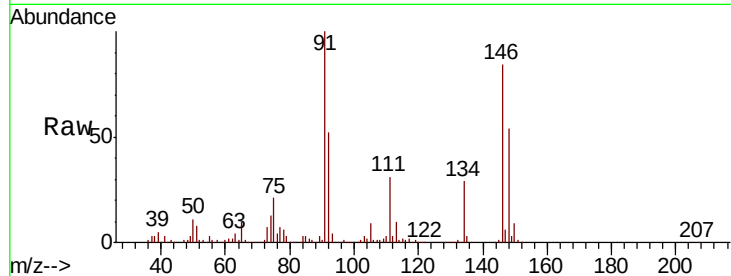
Tot Ion:146 Resp: 136594

Ion Ratio Lower Upper

146 100

111 39.0 19.4 58.1

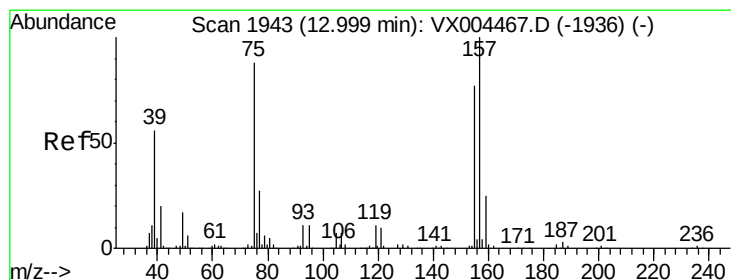
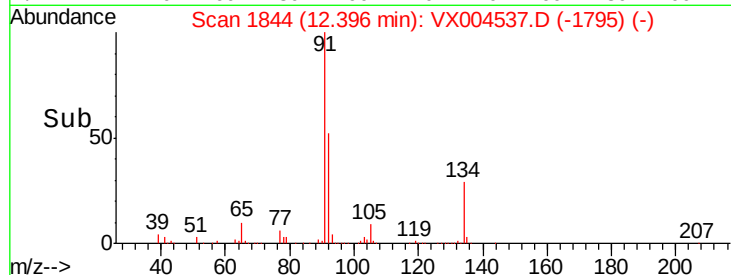
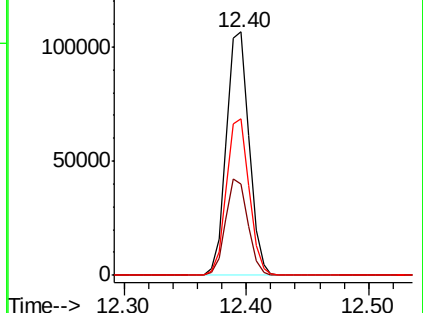
148 64.1 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.39 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

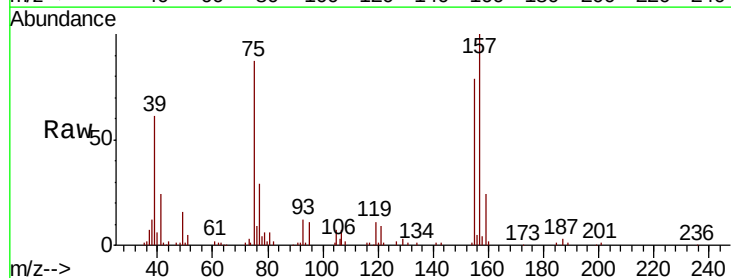
Tgt Ion: 75 Resp: 17533

Ion Ratio Lower Upper

75 100

155 95.5 48.0 144.2

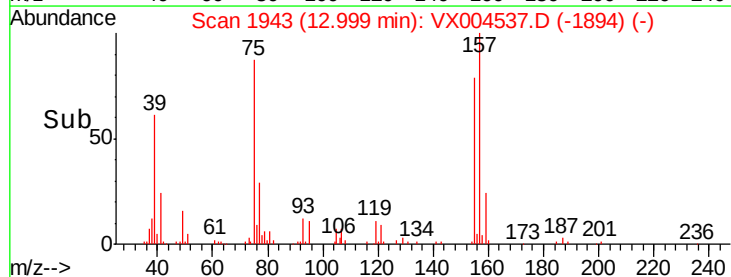
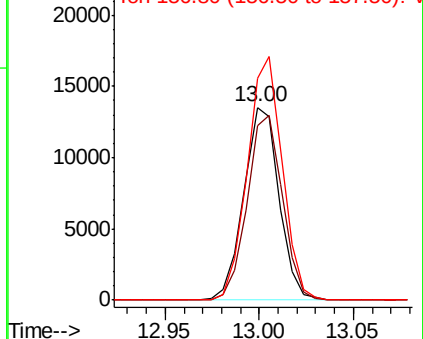
157 124.9 61.4 184.1

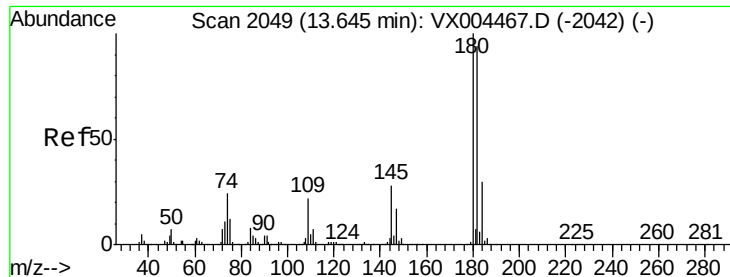


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

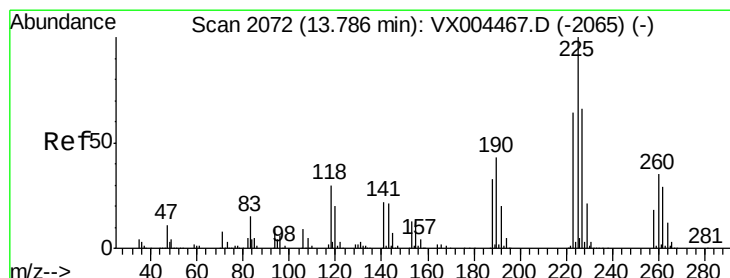
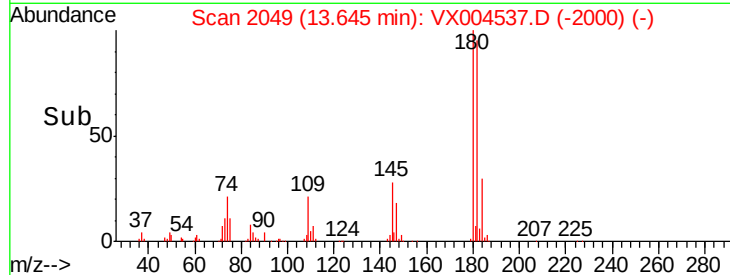
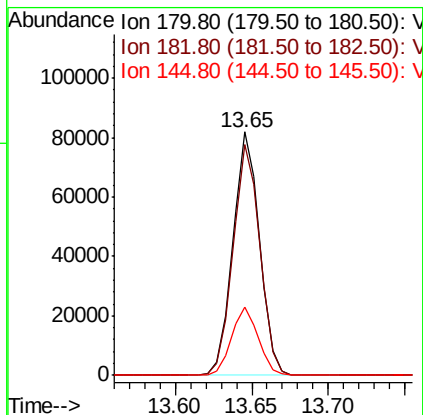
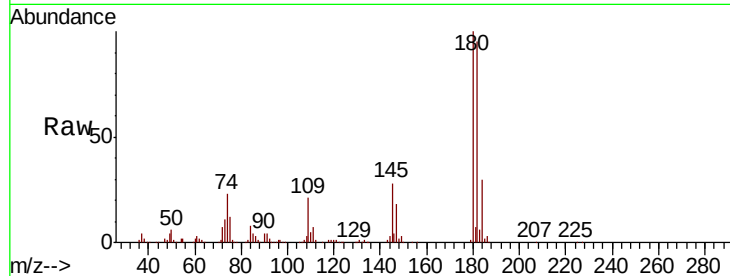




#93
 1,2,4-Trichlorobenzene
 Concen: 20.24 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

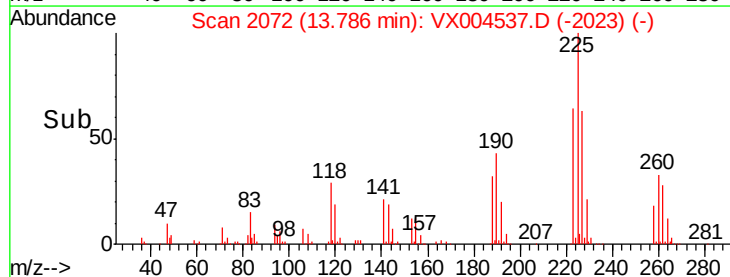
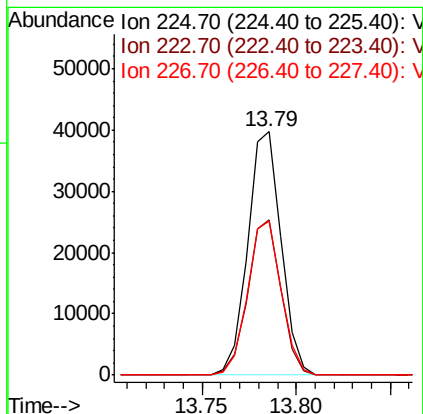
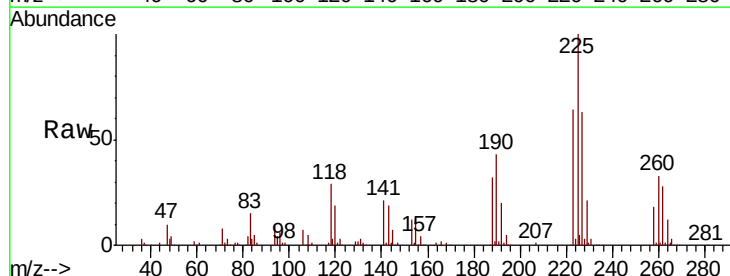
Instrument :
 MSVOA_X
 ClientSampled :
 VX0914MBS01

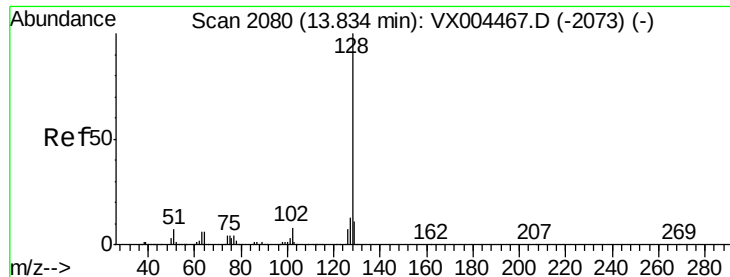
Tot Ion:180 Resp: 98217
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.4 145.0
 145 28.1 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 19.24 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion:225 Resp: 48761
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.1 90.5
 227 63.8 30.8 92.4

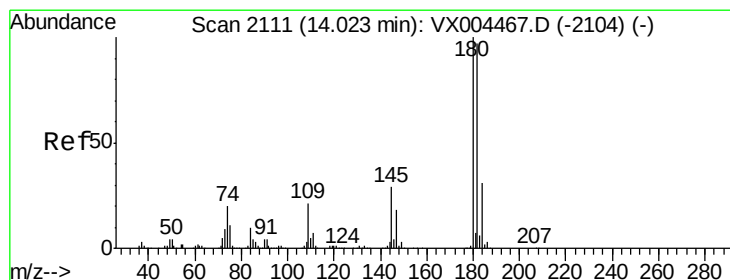
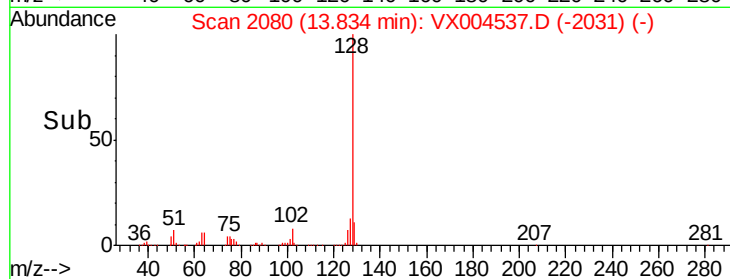
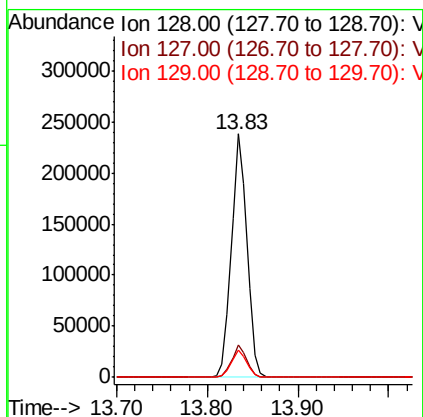
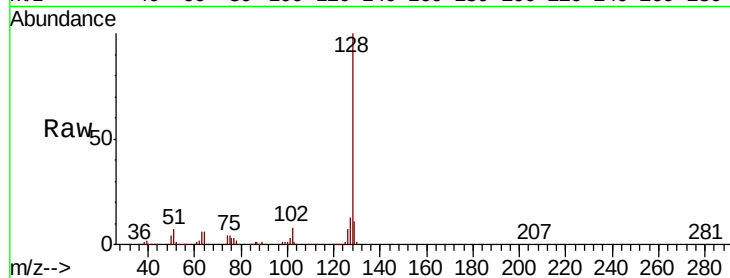




#95
Naphthalene
Concen: 20.92 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion:128 Resp: 284705
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.49 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion:180 Resp: 102127
Ion Ratio Lower Upper
180 100
182 94.8 48.5 145.6
145 29.1 14.9 44.9

